

63.01
CANADA
1922



Seeds for the Farm.

Seed Corn
Seed Grain
Clovers
Timothy
Pasture Grasses
Forage Plants
Mangels
Turnips
Vegetable Seeds

KEITHS SEEDS

Satisfactory Since 1866

1 9 2 2

1866 - 1922

OUR business has grown steadily and consistently since the day it was started in 1866, and "**Keith's Seeds**" have made more friends each year. This has not come by chance. These people realize that our seeds are **Reliable**, our methods **Satisfactory**, and our **Prices Right**. If you are among those who have tried us, you know this statement to be correct. If you have not tried us, we very much wish you would, if only for once, that we may have the opportunity of convincing you also.

GEO. KEITH & SONS

NOTE !

**We do a strictly Cash business.
We Sell Direct to You—No Agents.**

THEREFORE—

**We can and do sell on a close margin.
We can and do buy for your trade the best that the World offers.**

We can only afford to send out to you seeds that to the best of our knowledge, and experience, will grow well, will produce plants true to type, and that the strains we select are the most suitable for our climate, our conditions, your wants and your trade.

ABOUT PRICES ON CLOVERS, TIMOTHY AND SEED GRAINS

At this time it is impossible to predict exactly the prices of such seeds. Kindly write estimating quantity wanted and we will quote our lowest prices delivered at your station.

We Guarantee Safe Arrival of Our Goods

In doing this we ask you:

First—To allow sufficient time for shipment to arrive.

Second—To enquire at Express, Freight or Post Office.

Third—To make sure of any damage or shortage, and note such plainly on the railway receipt before you sign. If we are to obtain redress from the railway, in case of shortage, it is absolutely necessary for us that you do not sign for full delivery. Mark on your advice or receipt "Bag torn"—"..... lbs. short," and send the advice or receipt signed by the agent to us. Write us full particulars of damage or shortage.

In case of freight, we will mail you a copy of shipping bill when goods are shipped, so that you will know the number of packages to expect, also when to expect arrival of goods. Allow sufficient time for order to arrive by freight. Then if station agent cannot locate the goods, write us, giving full particulars. *A careful lookout should be kept for goods to arrive at flag stations.*

NON-WARRANTY.—Sometimes, though not often, seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply, or not deeply enough, too much or too little water, weather too cold, or a baking sun, which forms a crust too hard for tender shoots to penetrate. Sometimes insects destroy plants at the surface before they are seen by the gardener. We cannot personally direct the use of our goods, after they leave our hands, neither can we fully control anywhere, or at any time the operation of the laws of Nature, as they affect seeds. Therefore, though we test for germination all our seeds, and do not send any out that do not show strong vitality, we give no warranty, express or implied as to description, quality, productiveness, or any other matter of any seeds we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms he must notify us at once, and we will give instructions for the disposition of the goods.

GEORGE KEITH & SONS

124 KING STREET EAST, TORONTO

Established 1866

WANTED! Boys and Girls To SELL Our Seeds

There is GOOD MONEY in this for YOU

We want live Boys and Girls everywhere to sell our Seeds.

Read our Proposition and we think you

will want to start at once.

We are offering this year the best and most popular Seed Collection we have ever put out. It is just what everyone wants. A whole Garden for 40c. It is good enough for anyone's garden too. People will plant more garden this year than ever before, and everyone will gladly buy a bargain like this. Now, what we want you to do is to sell these Seed Collections to your friends and neighbors. All you need to do is to fill out the application blank below and return it to us, and we will send you ten of these Collections. We know you are honest and we are willing to trust you, and then when you have sold the Collections, we will share the profits. How does this suit you?

HERE'S OUR PROPOSITION

(1) Fill out the coupon below and send it to us and we will send you at once, by parcel post 10 of these 40c. Collections for you to sell. You need not send the money till they are all sold but if you do not sell them within a month, you are to return them.

(2) When you have sold 10 Collections, you get one-third the total for your share, and return the balance to us.

(3) In case you cannot sell the 10 Collections, sell all you can. Return the rest by mail—keep one-third of the money and remit the rest.

(4) The Collections must all be sold at the same price, 40c. We believe in one price to everyone. It is the only way.

THIS COLLECTION A GREAT BARGAIN

A Whole Garden for 40c.—for either Town, City or Country

The reason we offer this big Collection for such a price is simply to get new customers acquainted with our seeds, and allow us to get acquainted with new customers. The price is so low everyone will buy. Think of it! 10 packages for 40c.

And we are going to make the quality so good that it will be a living and growing advertisement for us all summer. The seed is all new crop, tested and vigorous—the kind you always get from us, and, of course, we are putting in some Flowers, for a garden is not right unless it has Flowers. Here is the list:

VEGETABLES—Carrot, Cabbage, Lettuce, Beets, Radish, Parsnip, Onions, Cucumber.

FLOWERS—Sweet Peas and Poppy.

One package each of the above varieties, 10 in all, for 40c.

Can you beat it? Think of what a fine garden for a boy or girl! Indeed, for anyone. We can't change the listed assortment, as we can make this low price only by putting up the Collection a long way ahead. If you want other things you can order from regular list in Catalogue. Remember, these are no little skimpy sample packets, but real sure-enough garden size, and are thoroughly tested seed of the very best varieties.

Seed Merchants
Since 1866

GEO. KEITH & SONS

124 King St. E.
Toronto, Ont.

FILL OUT THIS APPLICATION. SEND IT TO US.

SEND NO MONEY WITH THIS.

GEO. KEITH & SONS,

124 KING ST., E.,

TORONTO, ONTARIO.

Date,

Please send me at once by parcel post, the 10 Collections of Seed. I will do my best to sell them at 40c. each, and if I do not sell them, will return them to you in good order. When they are sold, I will share the money, keeping for my share one-third in money, and will turn the other two-thirds over to you.

Name P.O.

Street, R.E. No., or Box No. Province Age

Have You ever used Our Seeds?

(Have your Father, Mother or Guardian fill out this part)

To Parent or Guardian—Please write your name here so we will know that the boys and girls are consulting with you as they should, and that you understand the deal between us and the boy or girl.

Name

Flag Stations

Unless specially arranged for us to pay cost of freight, customers having their goods sent by freight to a Flag Station, must allow for payment of freight, otherwise shipments will be sent to nearest Station where an Agent is located.

Flag Stations.

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KEITH'S CLOVERS AND TIMOTHY

COTTON BAGS 50c. EACH



We want to make the lowest possible price to you so write in for the latest. State quantity required and we will quote, freight paid, to your nearest station. In most cases we can save you money. The bad weeds are getting to be everywhere and you are liable to get them where least expected. Do not buy any seed even from a neighbor's farm without strict examination.

RED CLOVER

Prices subject to market changes.

- "Sun" Brand, No. 1 Government Standard. While selecting this seed we have always in mind health, strength, and purity, and the result is the best of the season's crop. Present price, \$18.00 per bushel.
- "Moon" Brand, No. 2 Govt. Standard. Present price \$15.00 per bush.
- "Comet" Brand, No. 3 Govt. Standard. Present price, \$13.00 per bush.

MAMMOTH CLOVER

- "Sun" Brand, No. 1 Govt. Standard. Present price, \$20.00 per bush.
- "Moon" Brand, No. 2 Govt. Standard. Present price, \$18.00 per bush.
- "Comet" Brand, No. 3 Govt. Standard. Present price, \$15.00 per bush.

ALSYKE CLOVER SEED

This hardiest of all Clovers, which adapts itself to a great variety of soils, being perhaps the most used Clover on lands that are inclined to be low. Ontario has for years grown seed for the markets all over the world, and the time has come when growers will have to use every precaution to keep their fields clean and produce a product pure enough to meet the most exacting seed laws of any country.

Alsyke seems to be a crop that requires eternal vigilance to keep clean. Quantities of the 1921 Ontario crop are too weedy for any market we can locate. Very few growers realize that to have pure seed the seed has to be grown pure in the first place. The cleaning machines help in a very striking way, but all the cleaning machines in the world cannot remove all the weed seeds common to Alsyke.

Buy clean, pure seed. If you have a clean field get started right.

- "Ocean" Brand, No. 1 Govt. Standard. Present price, \$14.00 per bush.
- "Ocean" Brand, No. 2 Govt. Standard (No. 1 purity). Present price, \$13.00 per bush.
- "Sea" Brand, No. 2 Govt. Standard. Present price, \$11.50 per bush.
- "Lake" Brand, No. 3 Govt. Standard. Present price, \$10.00 per bush.

ALSYKE AND TIMOTHY MIXED

Something pure, useful and reasonable.

- No. 3 Govt. Standard (No. 1 purity), 67% Alsyke, 33% Timothy. Present price, \$10.00 for 60 lbs.
- We have a few bags of mixed seed, No. 3 Govt. Standard (extra No. 1 for purity), 22% Red Clover, 56% Alsyke, 22% Timothy. Present price, \$12.00 per 60 lbs.

ALFALFA

Add \$1.00 per bushel to prices quoted for scarified seed.

The Canadian Farmer to be successful with Alfalfa has to follow the best methods of cultivation and secure seed that will produce plants hardy enough to withstand our winters. This statement is short and to the point, but if not followed it means failure. Seed offered as "Northern Grown" should not be used. "Northern Grown" might mean anywhere on the North American continent. One would be fortunate indeed if on such a purchase a permanent stand was the result.

We do not offer any Alfalfa seed other than Grimm, and known hardy strains of Canadian seed.

Grimm Alfalfa, Lyman's Strain. Hardest of all Alfalfa. Its worth to Canada is becoming more clear each season. The splendid fields of this strain on a great variety of soils and climate right across Canada are a living testimony of its hardiness and true value. Present price, \$30.00 per bushel.

Ontario Variegated Alfalfa. Selected from fields that we know to be hardy. Present price: No. 1 Govt. Standard, \$22.00 per bushel; No. 2 Govt. Standard (No. 1 for purity), \$21.00 per bushel.

Ontario Grown Alfalfa. No. 1 Govt. Standard, \$18.00 per bushel.

Idaho Grimm Alfalfa Seed. Growers Association guaranteed and certified seed, write for prices.

TIMOTHY

- "Diamond" Brand. Fancy sample, thoroughly cleaned. No. 1 Govt. Standard, present price \$6.75 per bushel (48 lbs.)
- "Crescent A" Brand, Govt. Standard No. 2 (extra No. 1 for purity), present price, \$6.25 per bushel (48 lbs.)
- "Crescent B" Brand, Govt. Standard No. 2 (No. 1 for purity), present price \$5.75 per bushel (48 lbs.)
- "Circle" Brand, Govt. Standard No. 3, present price \$5.00 per bushel

SWEET CLOVER

Write Ontario
Department of
Agriculture for
Bulletin 283



This valuable Clover is gaining in value each year. It is now a staple crop like Red Clover, Alsike and Alfalfa Clovers, throughout the North American continent. An enormous seeding is anticipated this season, as its virtues are recognized widely and the seed is by far the cheapest of the Clovers.

Who says we don't like Sweet Clover?

Sweet Clover has come to stay. There is no doubt about it. The men who have had the most to do with it find that they have worlds to learn yet, and they are putting it to more uses each year.

A Great Soil Enricher.—On land that would produce no crops Sweet Clover has been seeded, a fine catch and crop secured, and this poor soil has been so improved in fertility by the Sweet Clover that a good grain crop followed.

On land where it has been difficult to get a catch of Red and Alsike there has been no trouble to get a catch of Sweet Clover.

On land that grew a grand crop of wild oats and other weeds it has been planted and won out in the battle—smothered the weeds and left the soil in wonderful tilth. For this fact alone it will be the greatest boon to many farms.

In Prof. C. A. Zavitz's Bulletin No. 283 on page 22, it states: "When Sweet Clover is used as a green manure the tops and roots combined furnish from 100 to 350 lbs. nitrogen per acre, a large proportion of which has come from the air, and is thus a distinct gain in fertility."

PASTURE.—As a pasture crop it is very valuable. The general practice is to sow Sweet Clover with grain as a nurse crop in the spring and pasture the Sweet Clover in the autumn and throughout the following year. This method has been adopted in the Farm Department at Guelph College with good results. Even when the crop is intended for hay or for seed it is frequently pastured in the autumn and sometimes to a limited extent in the spring.

It will stand pasturage better than the other Clovers and no pasturage will carry as much stock per acre. It is claimed that it does not bloat stock at all. Cattle pasturing on Sweet Clover should have access to dry straw or another meadow if possible. It is excellent fall pasture and can be pastured in the fall the season it is sown.

Annual Pasture Mixture Recommended by Prof. Zavitz. O.A.C. 80 lbs. Oats per acre, 20 lbs. White Blossom Sweet Clover per acre. The Oats provide the early pasture six weeks after sowing and carry the stock till the Sweet Clover has got established. The following season this Sweet Clover in the field will provide a bounteous pasture or a hay or seed crop.

HAY

The best hay for all the animals is cut before the flower buds appear. At this time the plant is succulent and tender and contains a large percentage of digestible nutrients. It is also claimed that coumarin, which gives the strong odor and objectionable taste to Sweet Clover, exists most abundantly in the flowers, and is not so noticeable if the plants are cut before they reach the blooming stage. Well cured Sweet Clover hay has about the same feeding value as high grade Alfalfa hay. Sweet Clover will yield more tons of green fodder and more tons of hay per acre than Red or Alsike. In a trial made at O.A.C. this season the biennial White Blossom Sweet Clover and the annual White Blossom Sweet Clover were planted under similar conditions on April 28th. Hay was made of the annual in 81 days, of the biennial in 147 days. The latter gave the larger yield of hay.

ENSILAGE

Sweet Clover for ensilage has wonderful possibilities. A great many farmers have Sweet Clover ensilage in their silos now, and many more farmers have been learning by watching and they feel confident that they know enough to go ahead with safety. Records of analysis made in the U.S.A. of the ensilage from the first year's growth of White Sweet Clover, and the first crop of the second season, show the ensilage to be a little better than Corn silage. Kemptville Agricultural

School writes on Nov. 28, 1921: "We are using Sweet Clover silage for our herd of Holsteins and Ayrshires regularly at the present time, but unfortunately your enquiry is possibly rather too early for us to give definite details as to the chemical composition of the silage, and of comparative feeding values. These points we expect will be determined before spring, and we shall be glad to inform you of them at that time. Our present opinion of Sweet Clover, however, is a very favorable one. We produced within a very small fraction of 10 tons per acre of green material, cutting it about the middle of June and immediately putting it into the silo. Care should be taken to have it well tramped down, as a considerable amount of heat is generated and unless this precaution is taken a good deal of food value may be lost. The cows relish it very much, and we had no trouble whatever in getting all the herd to eat it. If there are any other details which you would like further information on, we shall be very glad to supply it if possible.—Yours very truly, (signed) E. K. HAMPSON."

Sweet Clover in Rotation.—It fits in well with the ordinary rotation, as it is a two-year crop like Red Clover. In fact it should always be sown and treated the same as Red Clover. Sow in the spring with a nurse crop—pastured or cut for hay that fall, pastured or cut for hay next spring. Then cut for seed in the fall or turned under.

Scarified Seed.—By actual experiment at O.A.C., Guelph, it has been proved that a percentage varying from 10 to 50 per cent. of unscarified Sweet Clover seed and up to 35 per cent. Alfalfa seed will not sprout the first season on account of the hardness of the seed skin. In the ordinary course of nature the frost or the elements in some way might soften these hard seeds, but seed that is harvested and stored as is the custom often contains hard seeds.

Scarifying process scratches the skin of all the seed, thus allowing the heat and moisture of the seed bed a much greater opportunity of forcing an even and full germination. Our orders are mostly for scarified seed. We charge \$1.00 per bushel extra for scarifying the seed.

We want to make the lowest possible price to you, so write in for the latest, ask for samples and see for yourselves, state quantity wanted and we will quote lowest prices delivered at your station.

PRESENT PRICES:

White Blossom Sweet Clover, No. 1 Govt. Standard	\$7.00 per bush.
" " " " No. 2 " "	6.00 " "
" " " " No. 3 " "	5.50 " "
Yellow " " " " No. 2 " "	6.00 " "

Scarified seed \$1.00 per bushel extra.

Sweet Clover that is No. 1 as far as noxious weeds is concerned but is excluded from grading on account of the presence of Foxtail we quote at \$6.00 per bushel.

"Hubam" Annual White Blossom Sweet Clover

This new variety of Sweet Clover is still in the experimental stage, and there is a possibility that when Canadian farmers get to know more about it that it will be a valuable addition to our farm crops. Our experience with it last season was limited, but we feel that it has many of the qualities of the Biennial, and it is a question whether any of the uses that the Biennial is put to can be bettered by the Annual. At O.A.C. this season, from seed planted on April 27th, hay was cut in 81 days or towards the end of July. This might work in on many farms at a good time to cure and make hay. The same crop could have been used for pasture or ploughed under as green manure. All opinion seems to be confident that it is a great plant for the bee man.

Present Price per lb., \$1.50. Write for prices on quantities.

FREIGHT RATES

We are not prepaying freight this year. You will find tabulated below rates of freight from Toronto to leading points here and there. For calculating cost of freight select the nearest station to you mentioned on the list.

Rates of freight are quoted per 100 lbs., on Grain and Clover seeds in less than car lots from Toronto to points mentioned.

This will enable buyers to estimate cost of delivery fairly accurately.

If your station is a Flag Station, or for some other reason you want the freight prepaid, just calculate the freight by selecting the nearest station to you mentioned below and include the amount in your remittance.

If you desire large quantities at delivered prices, don't fail to write us.

To Points in Western and South-Western Ontario

	On Grain per 100 lbs.	On Clovers and Timothy per 100 lbs.
Brampton.....	18½c.	28c.
Georgetown.....	20½	31
Guelph.....	24	36
Woodstock.....	31	46½
Kitchener.....	28	42½
Stratford.....	31	46½
St. Mary's.....	31	47
London.....	31	49
Chatham.....	36	58½
Windsor.....	36	58½
St. Catharines.....	28	42½
Niagara Falls.....	30	43½
Dunnville.....	30	43½
Simcoe.....	31	47½
Norwich.....	31	47½

To Points in North Western Ontario

Orangeville.....	24	36
Markdale.....	31	47
Mount Forest.....	31	43½
Durham.....	31	47
Owen Sound.....	33½	53
Collingwood.....	31	47
Teeswater.....	33½	53
Listowel.....	31	47
Walkerton.....	31	48½
Goderich.....	33½	53

To Points North of Toronto (not including Northern Ontario)

Newmarket.....	22½	33½
Beaverton.....	28	42½
Barrie.....	28	42½
Parry Sound.....	35	55
Scotia Junction.....	35	55
North Bay.....	38	60

To Points in Northern Ontario

	On Grain per 100 lbs.	On Clovers and Timothy per 100 lbs.
New Liskeard.....	65½c.	1.01½c.
Englehart.....	65½	1.01½
Cochrane.....	72½	1.12½
Hearst.....	72½	1.36
Grant.....	95½	1.50
Superior Junction.....	89	1.55
Minaki.....	98½	1.73
Sudbury.....	47½	74
Oba.....	71	1.25
Sault Ste Marie.....	61½	96
Little Current.....	71	1.08½
Fort William.....	72½	1.37½
Dryden.....	93	1.61
Fort Francis.....	93	1.61

To Points East of Toronto in Ontario

Markham.....	18½	28
Oshawa.....	22½	33½
Coburg.....	28	42½
Peterboro.....	30	43½
Trenton.....	31	49
Kingston.....	35	55
Brockville.....	38	60
Smith Falls.....	38	60
Renfrew.....	38	60
Pembroke.....	40½	64
Ottawa.....	40½	64
Vankleek Hill.....	43½	69
Cornwall.....	43½	69

To Points in Province of Quebec

	On Grain per 100 lbs.	On Clovers and Timothy per 100 lbs.
Montreal.....	58½c.	69c.
Sherbrooke.....	67½	80
St. Hyacinthe.....	61½	74
Farrham.....	61½	74
Three Rivers.....	67½	80
Quebec.....	69	81½
Riviere du Loup.....	78	92½
Chambord.....	96	1.14
Chicoutimi.....	97½	1.18
Matapedia.....	85	1.01½
Paspebiac.....	1.31	1.57½
Gaspe.....	1.49½	1.70

To all Points in New Brunswick on C.P.R. and Government lines of Railways

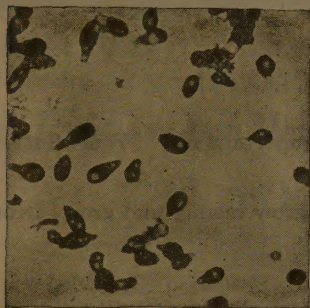
	85	1.01½
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To Points in Nova Scotia

Amherst.....	87½	1.03
Truro.....	87½	1.03
Halifax.....	87½	1.03
Sydney.....	96	1.14
Windsor.....	1.10	1.30½
Kentville.....	1.14	1.36
Digby.....	1.06½	1.28
Yarmouth.....	1.12½	1.33½

To Points in Prince Edward Island

	1.01½	1.19
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Legume bacteria from Red Clover nodules as seen under a microscope (D X 1,000)

Many farmers have trouble getting a good catch of Alfalfa or Clover. Sure-Catch Legume Cultures insure a good catch and a good crop.

Cultures are prepared for inoculating the following kinds of seeds: ALFALFA, SWEET CLOVER, ALSIKE, RED CLOVER, PEAS.

Only one size culture is prepared, each containing ample bacteria to inoculate one bushel of seed.

Price \$1.00 each.

Cultures are sent by mail with full directions for their use.

Cultures are good for six months after they are prepared. The inoculation is very simple and only takes a few minutes. Be sure to advise what variety you intend to inoculate, as different varieties require quite different cultures.

SURE CATCH LEGUME CULTURES

Prepared by

The Murdoch Legume Laboratory



Red Clover (4 months old)

The results obtained by a Wellington County farmer by inoculating his seed with a MURDOCH LEGUME CULTURE. The small, weak seedlings will be easily killed by summer droughts or winter frosts; while the sturdy plants from inoculated seed will survive and produce a good crop.



The dark masses on these Pea roots are bunches of nodules containing legume bacteria

President's Office, Ontario Agricultural College, Guelph, Jan. 25th, 1921
The Murdoch Legume Laboratory.

Dear Mr. Murdoch:

I wish you success in your venture in the manufacturing of Legume Cultures. . . . I am satisfied that any product you put out will be honest and effectual.

I wish to add that considerable experience in the use of legume cultures has shown their utility in promoting the growth of legumes, and as a secondary effect in increasing the fertility of the soil.

Yours very truly,
(Signed)

B. REYNOLDS,
President

MESSRS. GEO. KEITH & SONS, TORONTO

Dear Sirs:—

We have again in 1921 used your Vegetable and Flower Seeds exclusively in the 800 Trial Gardens, planted and cultivated by the children on the Indian Reservations throughout the Province of Ontario. We have pleasure in reporting to you that very fine results were obtained. The germination, the quality of the product, and the quantities produced were most satisfactory.

These gardens as you know are planted and cared for by the Indian children, and are both for practical and competitive purposes. The Department of Indian Affairs is well pleased with the results realized from your seeds.

The varieties used this year were as follows: Crosby's Egyptian Beet, Oxheart Carrot, Hubbard Squash, Yellow Globe Danvers Onion, Pie Pumpkin, Early Prize Muskmelon, Nimrod Turnip, Giant Comet Aster Mixed.

Yours truly,

R. H. ABRAHAM,
Agricultural Representative. Department of Indian Affairs

Chatham, Dec. 6th, 1921



SEED CORN

The Corn crop on many farms last season was the only real crop. Any season on most farms it is a very important one. Your Success or Failure to raise a high-class crop is absolutely dependent in the first instance on the seed you plant.

Now is the time to select your seed, get it home, test it out in your house and insure yourself that it will grow readily and grow strong sturdy plants. If it is not so, return it. We want to give you entire satisfaction.

SEED COST IS A SMALL ITEM

You know what satisfaction it brings and what a pat on the back you get when you look over a fine crop of Corn. You realize that your judgment in the matter of seed, preparation and care of the land, time and method of planting,—all entered into it. Each of these matters was worked out carefully, and the results show very clearly the value of such a foundation.

We offer Seed of which we are sure. The quality is the best procurable. The varieties are those that experience shows to be best for Canada.

Our new method of treating our seed Corn ensures you seed that will keep right and grow right. It was selected and the moisture content reduced to 14% before it was subjected to any frost.

A pest called the European Corn Borer gives indications of seriously affecting the Corn crop. To check and suppress this dangerous pest the Dominion Government has passed an order in regard to the sale and shipment of Seed Corn on the cob. This order practically forces Corn growers to buy their supply of Seed Corn shelled. Our policy for a number of years has been "Buy your Seed Corn on the cob," and till last season most of our orders were filled that way. The European Corn Borer is transferred from one district to another in several ways. One of these is in the cob. It cannot be carried in the shelled grain, hence the Government's ruling for eliminating movement of corn on the cob.

We liked handling our Corn on the cob, because it gave our customers a good idea of the stock they were getting, and because the seed kept in A1 condition right up to planting time. The irregular shape of the cobs prevented tight packing, thus always allowing plenty of air to circulate, a condition that is absolutely impossible when the Corn is shelled. In the old days we had many sad experiences with the storage of shelled Corn. No matter how well it looked on arrival, we had to watch it like a cat would a mouse, as it had the unfortunate faculty of "heating" or "going wrong" just at the time when we wanted to send it out. "Heated" Corn as you know is of no value for seed. To be able to fill our orders with shelled Corn that would keep right and grow right, we found, like the people in the Corn belt of the United States, that it was essential to reduce the moisture content to 14 per cent., and we therefore installed a modern plant. Into this plant the Corn cobs travel on an endless belt, where the selection as to type, variety, etc., is made. Then the Corn is shelled, graded, and run slowly through a machine where strong currents of dry summer air remove the excessive moisture. The dryest and best looking Ontario Corn when tested in time for seeding shows in the average season a moisture content of 18 to 25 per cent. of moisture, even after harvesting and storing in the most improved methods. To shell such Corn and ship it puts it on the level in risk with perishable fruit. Heating and loss of vitality is almost sure to set in. We cannot take such a risk. No more can you. Last season our new method of treating our Seed Corn proved entirely successful. We did not receive a single complaint.

We sell more Seed Corn each year, and have less kick on it. It is sold subject to your own test and approval and is grown right here in Ontario (except Mammoth Southern Sweet and Red Cob).

SEED CORN PRICES

WE test our Seed Corn for germination.

This is a photo of Wisconsin No. 7 tested in our germinator showing not only 95% germination but abundance of vigor.



FARMERS' CLUBS
and those wanting large quantities write for special prices.

State quantity you require and we will quote lowest prices delivered at your station.

We Can Save You Money!

DENT CORN

Present prices all varieties Ontario grown
DENT CORN (Bags free)

10 bushels per bushel	5 bushels per bushel	1 bushel	½ bushel	peck
\$1.80	\$1.90	\$2.00	\$1.25	75c.
White Cap Yellow Dent. Medium early to medium late, according strain, grown for grain in Southern Ontario and for fodder and silage in Central and Northern Ontario.				
Golden Glow or Wisconsin No. 12. A Yellow Dent Corn that in trials of the Ontario Experimental Union show it to be one of the best.				
Wisconsin No. 7. Medium in earliness, usually matures in the extreme southerly parts of Ontario, suitable for silo in warmer parts of the province.				
Early Bailey. A fine Yellow Dent Corn. Matures about the same time as Wisconsin No. 7. If you have used Improved Leaming before, think you will find Early Bailey much better.				
Improved Leaming. A variety well known to all ensilage growers. It has filled many a silo in Ontario and Quebec and done it well.				
Red Cob. Seed grown in U.S.A. A prolific growing white Corn, with a red cob. Price, per bushel, \$1.60. Bags free.				
Mammoth Southern Sweet. Seed grown in U.S.A. Similar to Red Cob. Price, per bushel, \$1.60. Bags free.				

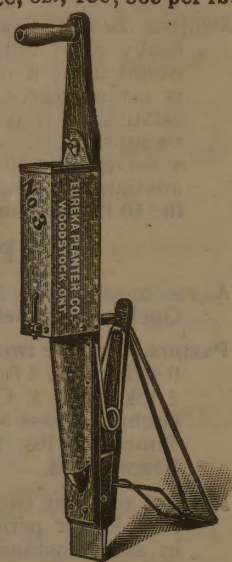
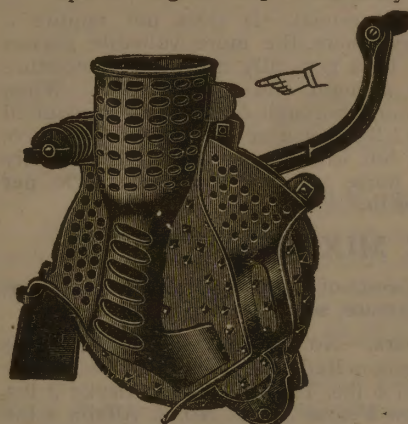
FLINT CORN

Present prices all varieties Ontario Grown
FLINT CORN (Bags free)

10 bushels per bushel	5 bushels per bushel	1 bushel	½ bushel	peck
\$2.30	\$2.35	\$2.40	\$1.50	80c.
Salzer's North Dakota. Medium early, a heavy yielder of stalks, white eight-rowed ears. Crop suitable for husking or for the silo in Central Ontario.				
Compton's Early. Early, medium yield of stalks, yellow twelve-rowed ears, good yielder of grain. Suitable for silage in more northerly districts of older Ontario.				
Longfellow. An eight-rowed yellow Flint. Makes a good husking Corn in Southern Ontario and a good silo Corn in Central and Northern Ontario.				

SUNFLOWER. This crop for fodder and ensilage is attracting more attention each year. It is a very hardy crop—failure is rare. This hardiness makes ensilage a sure crop in the colder districts of Canada where Corn is a risky crop. There is a hope that this crop will be a feature in controlling the European Corn Borer. We have a fine stock of healthy high germinating seed. Price, per lb., 15c. 25 lbs. or over, at 10c. per lb.

PUMPKIN SEED. This crop is usually grown as a companion crop for Corn. Plant in hills every fourth row of Corn., hills 10 feet apart. A great help to the dairy farm. Price, oz., 15c; 50c per lb.



CORN PLANTER, EUREKA AUTOMATIC.

This is the cheapest and best Corn Planter made. As a labor saver in Corn planting it stands unrivalled. The working parts are simple and durable. It has been used for a number of years and has given the best possible satisfaction. Each, \$2.00.

IMPROVED CORN SHELLER. We think there is no better small machine made. Regulating thumb screw enables machine to be set for large or small cobs. Guarded wheel prevents scattering. Weight, 20 lbs. Price, \$2.50.

GRASSES

See also
Inside Back Cover

We offer seed of high germination and purity

Orchard Grass.—A hardy perennial used for hay when sown alone but more suitable in a pasture mixture, starting growth early in the spring and continuing until late autumn. It grows quickly after being cut or pastured. It will succeed on soils with a lesser moisture supply than is required for Timothy. It is one of the best grasses in withstanding drought, and may be sown successfully either in the autumn or spring with cereal grains. From 25 to 30 lbs. is sown per acre when this grass is not seeded in combination with clovers and other grasses. Sow broadcast. Present price, 40c. per lb; 10 lbs. or more at 32c. per lb.

Meadow Fescue.—A hardy perennial of good quality for hay or pasture, particularly suitable for use in pasture mixture. It does best on rich, moist soils or sandy soils, where there is a sufficient supply of moisture available. Because of its drought resisting qualities its ability to stand tramping and the large amount of pasture produced in summer and autumn, Ontario pasture mixtures usually include this grass. Present price, 40c. per lb; 10 lbs. or more at 33c. per lb.

Tall Oat.—A good hay and pasture grass and gives its best returns when sown in mixture. In its resistance to drought Tall Oat is the equal if not the superior to Orchard Grass. It will stand tramping. Present price, 60c. per lb; 10 lbs. or over at 50c. per lb.

Red Top.—A perennial particularly suitable for hay and pasture on low damp land. Pasture mixtures both temporary and permanent when sown on low wet lands should always include Red Top as one of the grasses sown. Present price, 55c. per lb; 10 lbs. or over at 45c. per lb.

Canadian Blue Grass.—Grows naturally in dry, sunny places. It often occurs in poor, gravelly soil, where other plants find it difficult to get a foot hold. A stiff rather unproductive clay loam is the soil in which it is preferably grown, because it will do well under such conditions where other plants might fail. On rich limestone soil it cannot compete with Kentucky Blue Grass. On the other hand it will do much better than Kentucky on poor clays. For Lawn Grass Seed see inside back cover. Price, per lb, 55c; 10 lbs. or over at 45c. per lb.

Kentucky Blue Grass.—Grown for hay, pasture and to make sod. It produces a small amount of hay of good quality. This high quality is equalled by few grasses. As a pasture grass it ranks high, starts growth early in the spring, forms a close compact turf which enables it to stand a large amount of tramping and close grazing without injury. For hay or pasture sow 20 to 30 lbs. per acre. For lawns sow 75 to 100 lbs. per acre. Present price, 75c. per lb; 10 lbs. or over at 65c. per lb.

Perennial Rye Grass.—On account of the rapidity with which it becomes established it is used in temporary pastures, permanent pastures and in lawns. In permanent pastures it provides pasture during the period when the other and more valuable grasses are becoming established. It stands tramping and close cutting without injury. Present price, 25c. per lb; 10 lbs. or over at 18c. per lb.

Awnless Brome Grass (Bromus Inermis).—It does not require a heavy good soil, but thrives where the more valuable grasses would make a poor stand. It is generally used where moisture is rather scarce. It resists drought and extreme cold. When established it is persistent and thorough cultivation is required to suppress it. Sow 10 to 12 lbs. per acre. More seed will give a better crop the first year, but less afterwards. It is generally advisable to sow without a nurse crop. Present price, 30c. per lb; 10 lbs. or more at 25c. per lb.

PASTURE MIXTURES

As recommended by Prof. C. A. Zavitz of Ontario Agricultural College, Guelph. Annual Crop for Pasture, see page 4.

Pasture Crop for two or more years.—No. 1 mixture, Common Red, 8 lbs, Timothy 4 lbs. No. 2 Common Red 6 lbs, Timothy 4 lbs., Alsike 2 lbs. No. 3, Common Red 6 lbs, Timothy 4 lbs, Alsike 3 lbs, Orchard Grass 3 lbs, Meadow Fescue 3 lbs. No. 4, Alfalfa 4 lbs, Timothy 4 lbs, White Clover 1 lb, Orchard Grass 8 lbs, Meadow Fescue 8 lbs.

Each of the first two mixtures would be suitable for 2 years. No. 3 for a longer period and the fourth mixture would be even suitable in some instances as a permanent pasture. A nurse crop of Grain may be used satisfactorily with any one of the foregoing mixtures. The seed in all cases should be sown in front of the tube drill. The Clover and Timothy can be sown from the grass seed box, and the Orchard grass and Meadow Fescue by hand. The crop could be used for hay in the following year, and for either hay or pasture afterwards.

MIXTURES FOR PERMANENT PASTURES

Land which is not required in the regular rotation of the farm can often be seeded with a permanent pasture mixture to excellent advantage. The following mixture is recommended by Prof. Zavitz for a permanent pasture under average conditions in soil, drainage and climate of Ontario.

Alfalfa 5 lbs, Alsike 2 lbs, White Clover 2 lbs, Orchard Grass 4 lbs, Meadow Fescue 4 lbs, Tall Oat Grass 3 lbs, Meadow Foxtail 2 lbs, Timothy 2 lbs, making a total of 24 lbs.

Sow early in the spring, either with or without a grain crop.

PASTURE MIXTURE FOR LOW, WET LAND

The following mixture for low, wet land has been recommended:

4 lbs. Red Top Grass, 2 lbs. Alsike Clover, 4 lbs. Orchard Grass, 2 lbs. White Clover, 2 lbs. Timothy, 2 lbs. Kentucky Blue Grass.

FORAGE PLANTS

These Forage plants help in a large way to make the farm pay better.

Dwarf Essex Rape.—This plant resembles the Swede Turnip in its leaf. It is the leaf and the stem which furnish the valuable portion for feeding to live stock. Rape makes an excellent late Summer and Autumn crop for feeding cattle, hogs, sheep and lambs. The latter have always done exceptionally well. Their health has been good, and their increase in live weight has been rapid. The usual seeding is 5 to 6 lbs. to the acre. Price per lb, 20c; 25 lbs. or more, 14c. per lb.

Rape for eradication of weeds.—That good cultivation followed by Rape sown in drills about 26 inches apart (1½ lbs. to the acre) provide a means of eradicating both perennial Sow Thistle and Twitch Grass.

Thousand Headed Kale.—At O.A.C., Guelph, trials in the past 19 years gave an average yield of 19.82 tons of green fodder per acre, or 2 tons more than Dwarf Essex Rape. The feeding qualities are the same as Rape. Sow 2 lbs. per acre in drills from June 15th to July 30th. Price, 50c. per lb.

Sorghum or Early Amber Sugar Cane.—The best results may be expected from rich, sandy loam soils. As a rule the Sorghums thrive well in comparatively dry seasons. Sow in rows 2 to 3 feet apart and cultivate in much the same way as corn. Use 10 to 12 lbs. per acre. Broadcast 75 lbs. per acre. Price, 10c. per lb; 25 lbs. or more at 6c. per lb.

Hairy Vetch or Sand or Winter Vetch.—Used for the production of green fodder and of hay, and as a cover crop in orchards. The Vetches are leguminous crops and furnish feed which is rich in nutritive constituents. Hairy Vetch is also planted with Winter Rye. Price, 25c. per lb; 25 lbs. or more at 15c. per lb.

Common Spring Vetch or Black Tares.—As fodder for dairy cows it is very valuable. Sow as early as possible for the first fodder. In drills sow 1 bushel per acre. Broadcast 1½ bushels per acre. Price, 15c. per lb; 25 lbs. or more at 10c. per lb.

Sunflower for Fodder.—This crop is attracting considerable attention, especially in the northern districts. It is a hardy crop and failure is very rare. Plant in the same way as corn. Price, 15c. per lb; 25 lbs. or more at 10c. per lb.

MILLETS FOR FODDER and HAY

Sow 1 peck to the acre for seed production. Time for seeding of Millets, June 1 to Aug. 1. Best time, June 1 to June 15.

Japanese Barnyard for production of green fodder. As a rule about 25 lbs. of seed are used per acre on land which has been carefully cultivated, and in a moist condition to ensure quick germination. Best results are obtained if seeding is made before July. Present price, 20c. per lb; 25 lbs. or more at 10c. per lb.

Hungarian.—The O.A.C., Guelph, advise that for early seedings of Millet, Japanese Barnyard is usually the most suitable, but for late seeding the Hungarian, which requires a shorter season of growth is frequently the best variety to use. Sow ½ to 1 bushel per acre for Fodder or Hay. Present price, 10c. per lb; 25 lbs. or more at 6c. per lb.

Siberian.—Gets a very good position in the five year tests at the O.A.C., Guelph. It gives a high yield of seed per acre and is about equal to most commercial varieties for hay and fodder. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 5c. per lb.

Golden Millet.—Grown in Southwestern States and claimed to produce a much heavier yield of fodder and hay than local grown seed. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 6c. per lb.

Common Millet.—Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 4½c. per lb.

SEED GRAIN

Formalin (for smut)—1 Pint 75c, 1 quart \$1.10

SEED OATS

No doubt your most important grain crop is your Oat crop.

Now is the time to get your seed ready.

If you have a clean pure seed and a variety that yields you a crop of over 60 bushels per acre, then there is no necessity to go further than your own granary; but on the other hand, if you are not satisfied with your own seed, its freedom from weeds, its trueness as to variety, and its yielding qualities, then we think we can help you.

Our supplies are drawn from clean farms.

The mill, with its riddle and wind, will improve grain 50%, but no machine made can make impure seed pure. The grain has to be grown free from weeds in the first place.

The prices we ask are reasonable.

As it is impossible for you all to call and see our stock, we will be very glad to send you samples of identical lots of the varieties you want, and quote prices delivered at your nearest railway station.

Order enough for a field.

The average number of days from the time the seed is sown until the crop is ready to harvest, for a 12-year period is as follows, according to O.A.C. report: O.A.C. No. 3, 102; Banner, 111; O.A.C. No. 72, 111.

O.A.C. No. 72. Late, vigorous grower, good straw, spreading head, white grain with pinkish coloration, comparatively thin hull, high yielder of grain. Registered seed grown under the regulations of the Canadian Seed Growers Association. Present price, \$1.40 per bushel. Bags free.

O.A.C. No. 72. Grown from registered seed. Pure and clean. Present price, \$1.10 per bushel. Bags free.

Good clean stock. Present price, 1.00 per bushel. Bags free.

American Banner. Late, good straw, spreading head, white grain, medium hull. Registered seed grown under the regulations of the Canadian Seed Growers Association. Put up in 2 bushel sealed bags at \$1.40 per bushel, bags free.

American Banner. Grown from registered seed. Pure and clean. This is the finest Oat we have ever handled. Go where you will, you will find no better. Grown on new land. No. 1 Govmt. Std. This seed was eligible for registration but unfortunately the crop had to be cut a few days before the inspector arrived, thus barring registration. Germination 98%. Forty-five pounds to the measured bushel. Present price, \$1.10 per bushel. Bags free. (3 bushels to the bag). Ask for sample. State quantity wanted and we will quote delivered at your nearest station.

O.A.C. No. 3. Earliest variety. Used extensively for mixing with O.A.C. No. 21 Barley, as it ripens at the same time. Has thin hull. It is a small looking Oat, but nevertheless it weighs well and is very valuable in a great many districts of Ontario. Present price, \$1.25 per bushel, bags free.

Yellow Russian. This variety has given great results in the Ontario Field Crop Competition. We have a small stock of last year's crop. Present price, \$1.00 per bushel, bags free.

Liberty Hullless Oat. Farmers are beginning to realize how valuable this variety will be for feeding to chickens and young pigs. It gives at a very low cost a highly concentrated material superior in nutritive value to shorts and bran. Strength and length of straw and time of maturing about the same as O.A.C. No. 72. A plot of an acre or so grown near the barn will come in awfully handy. Present price, \$2.00 per bushel of 34 lbs. Bags free.

BARLEY

Barley is the highest in production of digestible food constituents of all the small grains grown in Ontario. Sow $1\frac{1}{4}$ to $1\frac{3}{4}$ bushels per acre.

O.A.C. No. 21.—Registered seed grown under regulations of the Canadian Seed Growers Association. Put up in 2 bushel bags. (We do not care to break the bags.) Present price, \$2.00 per bushel. Bags free.

O.A.C. No. 21.—Early stiff straw, six rowed head, grain bluish under the hull, good quality, heavy yielder. Present price, \$1.35 per bushel. Bags free.

Black Hullless Barley.—Bearded, straw about 10 inches shorter than, and matures a few days earlier than O.A.C. No. 21. Present price, \$2.25 per 60 lbs., bags free.

Guy Mayle Black Hullless.—Similar to above. Present price, \$2.50 per 60 lbs., bags free.

SPRING RYE

Sow $1\frac{1}{2}$ bushels per acre

O.A.C. No. 61.—Good straw, medium height. The highest yielder of all the varieties of Spring Rye. Present price, \$2.25 per bushel.

Common Spring Rye.—Present price, \$1.75 per bushel.

FIELD PEAS

Alaska.—Blue, smooth, round early Pea. Straw good about 3 ft. This Pea in the Dominion Cerealists Interim report for 1921 came fourth, with a yield of 40 bushels to the acre. Only one yellow Pea did better. Sow $1\frac{1}{2}$ to $1\frac{3}{4}$ bushels to the acre. Present price, \$3.00 per bushel, bags free.

Arthur.—Sow $2\frac{1}{2}$ to 3 bushels per acre. A white pea, medium size, medium late, white blossom, large yielder, length of vine about 3 feet. Days to mature about 110. Is probably the best variety of Field Pea for Ontario now available in a commercial way. Dominion Government urge farmers to use this variety. Present price, No. 1 sample, \$3.00 per bushel, bags free. No. 2 sample, \$2.75 per bushel, bags free.

Canadian Beauty.—Sow 3 to 4 bushels per acre. Large, white pea. Length of vine about 4 feet. Days to mature about 113. Present price, No. 1 sample, \$3.00 per bushel, bags free. No. 2 sample, \$2.75 per bushel, bags free.

Golden Vine.—Sow $1\frac{1}{2}$ to $1\frac{3}{4}$ bushels per acre. Small, white pea. Length of vine about 4 feet. Days to mature, 115. Particularly suitable for mixing with oats in the production of green fodder or of hay from which satisfactory results have been obtained by using a mixture of 1 bushel of peas and 2 bushels of oats or a total of 3 bushels per acre. Present prices, No. 1 sample, \$3.00 per bushel, bags free. No. 2 sample, \$2.75 per bushel, bags free.

FIELD BEANS

Pearce's Improved Tree.—The strain we offer of this variety was originally secured from O.A.C., Guelph, and then a selection of the earlier plants were made. The crop was harvested in plenty of time for the ground to be prepared and put into fall wheat. Beautiful sample. Present price, \$4.00 per bushel. Bags free.

Small Pea Bean.—Present price, No. 1 sample, \$3.25 per bushel, bags free.

BUCKWHEAT

This crop is an important one in Ontario. This is due to several causes. The lateness the crop can be sown, and give good returns, the value it has as a good smotherer, for soiling purposes and the comparatively good yields of grain often obtained from poor land. Sow 3 to 5 pecks for grain production. 2 bushels if for smothering weeds.

Rye Buckwheat or Rough Buckwheat.—Early, medium yield of straw, grain with rough thick hull, very heavy yielder. In 13 years tests at O.A.C., Guelph, its average yield was 30.3 bushels per acre or 9 bushels more than any other variety. Present price, \$1.40 per bushel. Bags free.

Silverhull.—Medium early, heavy yield of straw, grain with smooth hull, fair yielder. Present price, \$1.25 per bushel. Bags free.

SPRING WHEAT

Marquis.—Early, good straw, beardless head, white chaff, red grain, excellent quality for bread production, good yielder. Present price, No. 1 sample, \$2.00 per bushel, bags free. No. 2 sample, \$1.75 per bushel, bags free.

Wild Goose.—Fairly early, tall straw of medium strength, compact bearded head, hard grain, high yielder. Present price, No. 1 sample, \$2.00 per bushel, bags free. No. 2 sample, \$1.75 per bushel, bags free.

FLAX SEED

Sow for production of seed, 45 lbs. per acre. For Fibre, experiments show that a seeding of 112 lbs. to the acre is best.

Flax Seed.—Ontario grown, common, medium height, blue flowers, quantity of fibre and seed varying with care of soil and season. Present price, clean seed, \$3.50 per bushel.

MIXED GRAINS

Mixed Grains for Grain Production.—O.A.C. No. 3 Oats and O.A.C. No. 21 Barley, 1 bushel each per acre.

Mixed Grains for Green Fodder or Hay.—O.A.C. No. 72 Oats, 2 bushels per acre. Golden Vine Peas, 1 bushel per acre.

Mixed Grains and Clover for Annual Pasture (1).—O.A.C. No. 72 or Banner Oats, 3 bushels per acre. Red Clover, 7 lbs. per acre.

Mixed Grains and Clover for Annual Pasture (2).—Oats, 51 lbs. per acre. Sorghum, 30 lbs. per acre. Red Clover, 7 lbs. per acre.

Annual Pasture.—As recommended by Prof. Zavitz at the Experimental Union, January 7, 1920. This mixture he is confident will give more pasture than any other mixtures the Summer and Fall of the season planted, and then the Sweet Clover can be pastured the next season. Oats, 80 lbs. per acre. Sweet Clover 20 lbs. per acre.



KEITH'S SUPERIOR QUALITY MANGEL SEED



We have been supplying seeds of Mangel and Turnip to the growers in Canada for 56 years. We secure the best that the world offers. Buy our Mangel and Turnip Seed and you can be fully satisfied that as far as the seed is concerned you have done the right thing. With good cultivation, good soil, and ordinary luck as far as weather is concerned a bountiful crop is assured. To make sure of our seeds we test them in our trial grounds to see for ourselves that they produce crops of high quality and true to type. Also before we send the seeds out they are tested for germination and only lots showing high germination and strong vitality are used.

Prices of Mangel Seed, All Varieties

IF WANTING 50 POUNDS OR MORE WRITE FOR SPECIAL PRICES

We put our Mangel and Turnip seed up in 1 lb. cotton bags. To put the seed in these bags, including the bag, costs us exactly 5c. per lb. Ordering "in bulk" you save this 5c. per lb. The seed sold in bulk and in packages is the same.

In Bulk	40c. per lb. if 5 lbs. or more are ordered.
	Postpaid, 50c. per lb. if 5 lbs. or more are ordered.
In Pound Packages	45c. per lb. if 5 lbs. or more are ordered.
	50c. single pounds.
	Postpaid, 55c. per lb. if 5 lbs. or more are ordered. Postpaid, 60c. single pounds.

Keith's Yellow Leviathan. This yellow intermediate Mangel has the best record of any Mangel at O.A.C., Guelph, and in the co-operative experiments throughout Ontario.

Keith's Yellow Intermediate. We sell more of this variety than any other. Very similar to Yellow Leviathan. Roots stand well out of the ground.

Keith's Prizetaker. Roots oval shape. Color and quality similar to Yellow Intermediate. Best for heavy soil, easiest to harvest. We think a crop of this variety will surpass anything you have had.

Keith's Mammoth Long Red. This variety has been grown so long, and is so well known, that a description hardly seems necessary. The length of roots generally is four or five times longer than the breadth. It is longer than the Yellow Intermediate and not so thick.

Danish Sludstrup. Intermediate, reddish yellow. Quite similar in shape to the Yellow Leviathan. The Danish Government have selected this variety as their best all-round Mangel.

Keith's Giant Half Sugar Mangel. Intermediate in form, white flesh, green top, easily harvested. The best keeper.

Culture of Mangels and Turnips

Any well drained, well manured, properly worked soil will grow roots. Mangels require the richest and best prepared part of the root field. Swedes come next, and Fall Turnips last. Land intended for roots should be broken out of sod, thoroughly top worked, manured, and ploughed twice in the Fall. On shallow, weedy or poorly drained soils seeding in ridges generally works out the best. On clean rich soil level cultivation we think is preferable. Last season on account of the dry, hot May in these parts, many seedings of Mangels were lost. Our observations were that level seedings came through better. This was possibly due to the soil moisture being conserved.

Time of Seeding. We recommend early seeding of Mangels, if possible when the grain is planted. Swede Turnips from June 1st to July 15th. Turnips give superior quality if the greater part of the growth is in the Fall.

Quantity required—

Our Mangel seed germinates around 150 per cent., nevertheless a heavy seeding is often necessary. Many seeds fail to germinate, not on account of being infertile, but because of lack of moisture or other adverse conditions, therefore it is advisable to sow from 5 to 12 lbs. per acre. Rough land or dry weather require the heavy seedings. Seed should be well covered 1½ inches to 2 inches deep.

Turnip seed 1 to 3 lbs. per acre. Thin Mangels and Turnips 6 to 15 inches apart.

Roots should be kept free of weeds all summer, and cultivated frequently to conserve moisture.

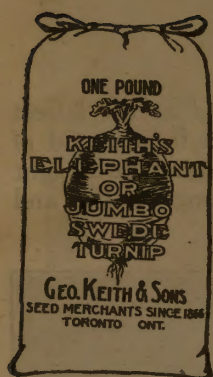


KEITH'S YELLOW LEVIATHAN MANGEL

Canadian Grown Mangel Seed

Yellow Leviathan. This is a splendid strain of Canadian grown seed, and we can heartily recommend it. In our trials it gave the best crop both as regards yield and quality. Price, 55c. per lb. if 5 lbs. or more are ordered; postpaid, 65c. per lb. if 5 lbs. or more are ordered; 70c. per lb. in single pounds.





KEITH'S QUALITY FIELD TURNIP AND CARROT SEED

Prices of Swede Turnip Seed All Varieties

We put our mangel and turnip seed up in 1 lb. cotton bags. To put the seed in these bags, including the bag, costs us exactly 5c. per lb. Ordering "in bulk" you save this 5c. per lb. The seed sold in bulk and in packages is the same.



In Bulk 55c. per lb. if 5 lbs. or more are ordered.
Postpaid, 65c. per lb. if 5 lbs. or more are ordered.

In Pound Packages 60c. per lb. if 5 lbs. or more are ordered.
65c. single pounds.
Postpaid, 70c. per lb. if 5 lbs. or more are ordered.
Postpaid, 75c. single pounds.

Keith's Prizetaker Swede Turnip. A fine selection of heavy cropping Swede Turnip. Good keeper. Nothing better.
Canadian Gem Swede Turnip. Canadian Grown seed. Purple top swede. Roots medium-sized, clean and even. A good shipper and keeper.

Lord Derby Swede Turnip. A bronze green top swede. Good shape. Hardy.
Elephant or Jumbo Swede Turnip. Oval, purple top Swede.
New Century Swede Turnip. Similar in type to Canadian Gem.
Scottish Champion Swede Turnip. A hardy bronze top.

EARLY WINTER OR FALL TURNIPS

The fall turnips usually yield more heavily than the Swede varieties but they do not keep so well. May be sown much later in the season than the Swedes. We have seen good crops raised by planting up to the end of July.

PRICES OF FALL TURNIPS. 50c. per lb. if 5 lbs. or more ordered. 55c. per lb. for less quantities.

POSTPAID PRICES. 60c. per lb. if 5 lbs. or more ordered. 70c. per lb. for less quantities.

Cow Horn. Roots long, half above the ground. Used by Orchard men as cover crop and for soiling purposes. Will give a yield of about 20 tons per acre.

Keith's Improved Greystone. Heavy cropper, early and hardy.
Purple Top Yellow Aberdeen. Best for poor soils.
Green Top Yellow Aberdeen.

FARMERS' CLUBS

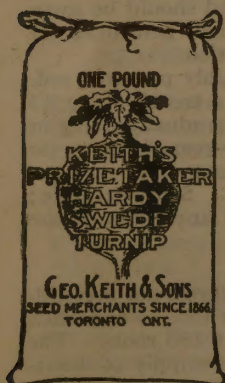
Write for
Special
Prices



Lord Derby Swede Turnip

FIELD CARROTS

Keith's Mammoth Smooth
White Intermediate
Carrot. Price, post-
paid—per lb, 80c; ½ lb,
50c; ¼ lb, 35c. The
best field carrot. Yields
20 to 30 tons to the
acre. Easily pulled.
Sow 2½ to 5 lbs. per
acre.



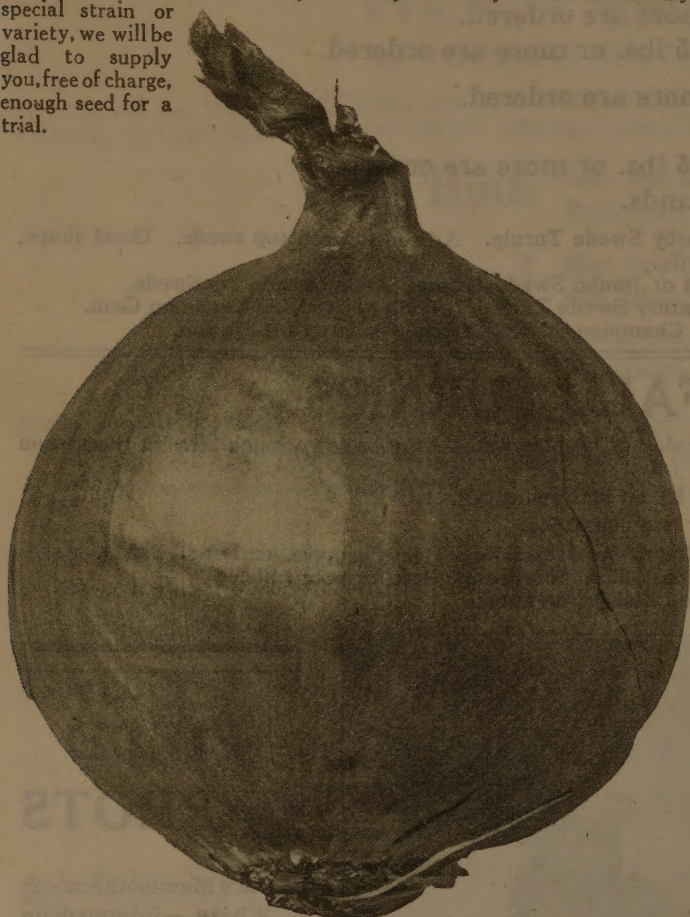
KEITH'S VEGETABLE SEEDS

Prices of Vegetable and Flower Seeds are quoted post paid unless otherwise stated

IN SEEDS, quality should be considered above all things. Keith's Seeds are of the highest quality and sold at the lowest possible prices. We test our seeds in trial grounds and make extensive inspection each year of the crops grown for us, and of crops grown from our seeds. The knowledge gained in this way convinces us that better seeds than we sell cannot be bought anywhere. We have tested for germination all the seeds offered in this list, and offer only seeds that show strong vitality and high germination. Seeds that do not measure up to "Keith's Quality" are rejected.

MARKET GARDENERS !

We are confident that our strains of Vegetable seeds are suitable for your wants. An increasing number of satisfied users who sow Keith's Seeds, season after season, prove their high quality. Ask the man who uses them! He knows. If you are particularly interested in any special strain or variety, we will be glad to supply you, free of charge, enough seed for a trial.



THE PROGRESSIVE ONION

The Progressive Onion.—"In the season of 1911, I procured from Geo. Keith & Sons, Toronto, a quantity of Yellow Globe Danvers Onion seed. When harvesting the crop from that seed, I found one Onion which fulfilled my ideal of a perfect Onion, being about the size and shape of a baseball, with small close top and of nice golden bronze color. I preserved this Onion, and the following year planted and kept the seed obtained from it, and planted same next year, from the crop of which I selected about a dozen perfectly formed and colored specimens which I planted for seed the following year. I have continued this process of selection and elimination for 10 years, until now I have confidence that I have a strain with a fixed habit.

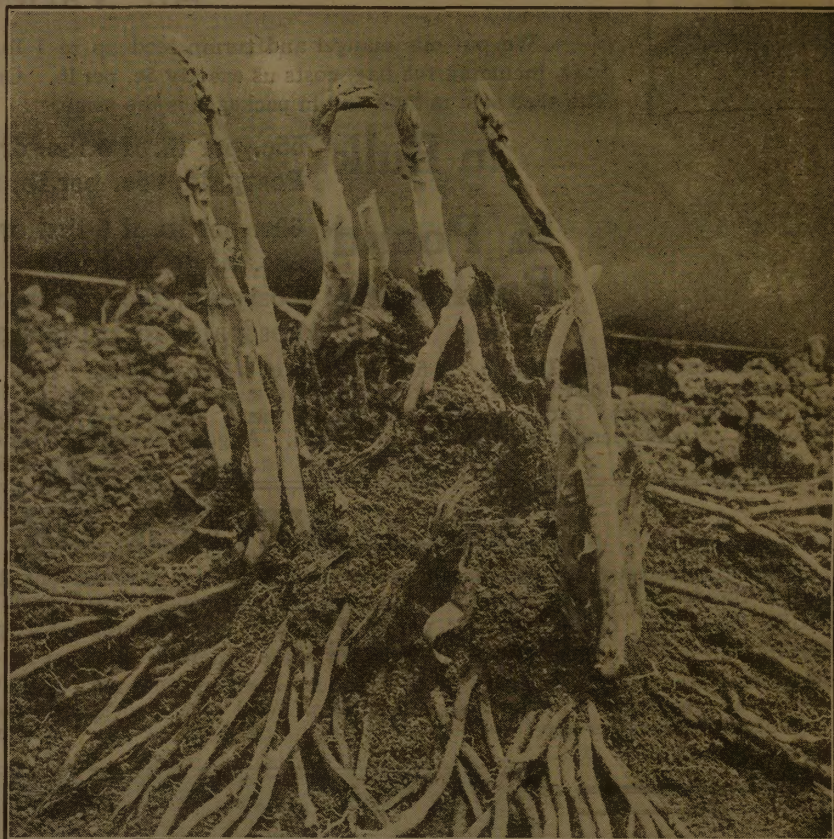
The seed each year was cleaned by the sinking process, which eliminates every weak or imperfect seed.

The flavor of this Onion is very mild, resembling the Spanish Onion in that respect.

As keepers they excel any Onions that I have ever grown during my forty years of practical experience.

Adolphustown, Ont. (signed) J. L. HAYCOCK

We have been interested in this strain for some time now, and we know that the grower by his expert knowledge and careful work has produced a superior Onion. The grower has been a market gardener for 40 years, and his wish and endeavor was to produce the best seed obtainable, for first-class market garden trade, practically regardless of expense. We can assure you his efforts have been successful and resulted in a grand Onion. Price, pkt., 25c; oz., \$1.25.



WASHINGTON ASPARAGUS

Reselected Pedigreed Washington Asparagus Seed. The most painstaking and careful breeding work that has ever been conducted with Asparagus has been done by the Bureau of Plant Industry of the U.S. Department of Agriculture. This strain is the result. Washington Asparagus is rust resistant, vigorous, high yielding strain of giant asparagus. The plants represented in the pedigree of the last three generations are the best found in a ten years' search among millions of plants tested.

A bed of asparagus should be considered in the light of a permanent investment. For this work we feel very sure that our trade will be satisfied with no other than the best obtainable. On going over the plots at O.A.C., Guelph, Prof. Crow drew special attention to this strain.

Plant seed in uniform land. Light land is preferable to start young plants. Sow seed thin, 5 or 6 plants to the foot. If two or more seeds fall together there is sure to be a tangle. Thinning is not recommended. The grower is also advised not to plant the seed in the permanent place in his garden. Experience with this method has been unsatisfactory. Rows 15 inches to 18 inches apart for hand cultivation, 2½ to 4 feet apart for horse cultivation. Cover seed 1½ to 2 inches. Cultivate between rows with scuffle hoe. Weeds in row should be removed by hand. The use of tools in the row should be avoided at all times. Seed should be sown early in the spring. It takes so long to come up a small percentage of radish seed might be added to mark the row for cultivation.

Planting Asparagus Roots. Plant early in spring in thoroughly prepared soil. Plants 15 to 24 inches apart; rows 4 to 6 feet. Make a trench about 12 inches deep, cover crowns with 2 inches of soil at first, gradually filling in trench as plants develop. Experience shows that one-year-old roots do better than two-year-old roots. Select the large one-year roots.

Reselected Pedigreed Washington Asparagus Seed. Pkt., 50c; oz., 75c; ¼ lb., \$2.60; lb., \$10.00. We regret we cannot offer any roots of the Washington strain this year.

Palmetto. Pkt., 5c; oz., 15c; lb., \$1.00.

Asparagus Roots. We offer strong one-year-old roots, by express not prepaid, per 1000 \$10.00, per 100 \$2.00, or postpaid, \$2.50 per 100. For garden culture a bed of 12 feet x 35 feet would require about 150 roots. The roots become established in a single season, affording a supply of shoots the second season.



Keith's Wonder Wax Bush Beans

KEITH'S SELECTED GARDEN BEANS

(Sow 2 lbs. for 100 feet, 1½ bushels per acre)

Beans are of easy culture and should be found in all kitchen gardens. The market gardener works for the very early trade or the late trade. It generally takes between 45 and 60 days from time of planting till wax beans are ready for use. Beans are somewhat tender. Plant when ground is dry and warm and at intervals for succession until late July. Plant in rows 30 inches apart, beans 3 inches apart in drills and not more than 2 inches deep. Cultivation should be frequent and shallow. Disturbing the roots is harmful. Cultivate when bushes are perfectly dry. For quick germination soak seeds overnight before planting.

DWARF WAX OR BUTTER VARIETIES

Most people have a preference for the Wax Beans. They somehow imagine the taste is better than the green podded sorts. Possibly this is only imagination, for the color of the pod has very little if anything to do with the quality of the bean.

Among the best of the real early sorts is **Keith's Wonder Wax**. It is the most satisfactory Bean we had in our garden. It is as nearly stringless as any Bean grown. Most gardeners find it profitable for their early and late crops. Yields well, sells well.

Davis White Wax. Very showy variety and is largely grown for market. A crisp and tender snap bean when young. The dry beans are excellent for baking. Seed medium large, kidney shaped, clear white.

Keith's Golden Wax. Has been grown by our customers for over forty years. Selections from time to time have improved this strain, so that it holds its friends by its general good qualities. It is early, and yields well.

Black Seeded Wax. Early, good market garden variety for productiveness. Pods waxy yellow, solid, tender, free from rust and excellent quality, and when ripe seeds are black.

Hodson Wax. We find this variety not quite so early, but plenty early enough. Works in well for succession with the other varieties—quality A-1.

Wardwell's Kidney Wax. Plants about 14 inches high, crop ready to pick in 45 to 55 days from planting. Pods of good quality, brittle, fine grained, and nearly stringless.

DWARF GREEN PODDED VARIETIES

Keith's Green Pod Stringless. Many people have the impression that the Green Podded Beans are richer in flavor, and slightly harder than the Wax varieties. This may be so, both are good. We think the best Green Podded is Keith's Green Pod Stringless. It is early and of high quality and throws large quantities of fine tender pods.

The Valentine. Is an old stand-by. You will make no mistake in planting this Bean, as in quality, yield and earliness it will be satisfactory.

POLE OR RUNNING VARIETIES

Golden Cluster Wax. For a small garden a few hills would we think supply you with sufficient wax beans of the highest quality, using the least amount of space. Use poles 6 to 10 feet. It is later than the bush wax, but the beans remain in condition for use a long time.

Scarlet Runners. Grow 10 to 12 feet high. Pods picked and cooked as a snap bean are delicious, also used as a Vine for covering fences, etc.

BEANS—PRICES

	5 lbs. or over at, per lb.	per lb.
KEITH'S WONDER WAX.....	.30	.35
DAVIS' WHITE WAX.....	.25	.35
KEITH'S GOLDEN WAX.....	.20	.30
WARDELL'S KIDNEY WAX.....	.20	.30
BLACK WAX.....	.20	.30
HODSON'S WAX.....	.25	.35
KEITH'S GREEN POD STRINGLESS.....	.20	.30
VALENTINE.....	.20	.30
GOLDEN CLUSTER WAX (POLE).....		.40
SCARLET RUNNERS.....		.50
BURPEE'S BUSH LIMA.....		.40
ENGLISH BROAD WINDSOR.....		.30

CARRIAGE CHARGES EXTRA

5 lbs. or over at, per lb.	per lb.	5 lbs. or over at, per lb.	1 lb.	½ lb.	2 oz. pkt.
		.40	.45	.25	.10
		.35	.45	.25	.10
		.30	.40	.25	.10
		.30	.40	.25	.10
		.30	.40	.25	.10
		.30	.40	.25	.10
		.30	.40	.25	.10
		.30	.40	.25	.10
		.50	.60	.50	.10
		.40	.50	.35	.10
		.30	.40	.35	.10

KEITH'S SUPERIOR BEETS

Beets are easy to grow. Plant seed on the level about 1 inch deep, rows 14 inches to 18 inches apart. Thin plants 3 inches to 5 inches interval. One ounce of seed for 40 feet of drill or 5 lbs. to the acre. Sow from early spring for succession up till early August. Beets are ready generally in 45 to 60 days from seeding. For your crop for winter storing sow about July 15th. This gives a medium sized beet in good condition late in the fall.

Seed can be started under glass about March 1st and transplanted out when 3 to 5 inches high. In this way beets are usually ready for market a week or 10 days earlier than the first planting in the open.

The varieties of names given to Beets are endless, but our experience in trying out these convinces us that there is practically only one Beet, and any difference there is comes by careful selection, and developing these selections.

FIREBALL. Has been developed for its earliness, its bright color and true form. This Beet can be used, and we recommend it, for early summer crop and winter use, and it forces well.

DETROIT DARK RED. Has been selected for its conformity to the ideal—a perfect Beet, globular in form, small top, very dark red both inside and outside. Nothing is prettier than this variety canned whole when about half grown.

CROSBY'S EGYPTIAN. Is just the thing for early market. It has a rounding flat root, bright red flesh. We think it an improvement on the old Extra Early Flat Egyptian, which really is no earlier and is much smaller.

EDMOND'S LATE. In our trials always shows its good qualities. We find it the best keeper, having a rock-like firmness when harvested.

SWISS CHARD OR SPINACH BEET. A splendid vegetable and one that gives more for the space used than any other. Grown chiefly for its broad white leaf stalks and mid-ribs, which are cooked and served in the same manner as asparagus. The leaves are also cooked like spinach. Plant and cultivate in the same manner as beet. Cut as required, do not pull. Treated this way it will grow again.

BEETS—PRICES POSTPAID

	1 lb.	½ lb.	¼ lb.	oz.	pkt.
Fireball	.80	.60	.35	.15	.05
Crosby's Egyptian	.80	.60	.35	.15	.05
Detroit Dark Red	.80	.60	.35	.15	.05
Edmond's Late	.80	.60	.35	.15	.05
Swiss Chard or Spinach Beet	1.00	.70	.40	.15	.05

KEITH'S QUALITY CABBAGE



Copenhagen Market

Usually 90 to 100 days from sowing of seed until harvest. One ounce will produce 1000 plants. One-half pound of seed will produce enough plants to plant an acre. One and a quarter pounds to the acre if sown in the open. For Early Cabbage. Seed planted in hot-bed in February or March. For Late Cabbage. sow seed in open in May or June. For Early transplant when plants are 6 inches high, for Late transplant or thin, allowing 18 to 24 inches each way. In our trials we get the best late cabbage by planting right in open where plants are to stand. About May 24th to June 1st, then when three weeks old thin down to stand.

Good Seed and Thorough Cultivation will give results on almost any kind of soil. Some growers, desiring to secure an early crop, take long chances with frost by planting out very early.

There is a world of Varieties of Cabbage, but really very few are required to cover the wants of the Ontario Gardener. We have cut our list to the Varieties that are distinct, and have procured the best Strain of each Variety. We know that they are right.



Detroit Dark Red Beet

Copenhagen Market. The first cutting of Cabbage is always a paying one. In actual test of our first cutting the Copenhagen Market had the largest percentage of heads ready for market, with Keith's Wakefield next. If this has not already been your experience, try it out with a small test plot, along with your crop. It is a large round-headed variety. Very solid and slow to burst.

Keith's Wakefield. We have felt for many years that a good strain of Wakefield would produce more marketable heads than any other early Cabbage, but the Danish grower of our Copenhagen Market has succeeded in winning out. However the Wakefield is a very valuable, pointed head variety, and should be used.

Glory of Enkhuizen. Is a large, round headed variety, about two weeks later than the Copenhagen Market.

Keith's Winningstadt. A pointed head sort, being ready about the same time as the Glory of Enkhuizen. Possibly it stands the summer better.

Keith's Danish Ballhead. For a country as far north as we are there is no late Cabbage to equal it. Yields fine solid heads and is said to keep until Cabbage comes again.

CABBAGE—POSTPAID PRICES

	lb.	¼ lb.	oz.	pkt.
Copenhagen Market	3.50	1.10	.35	.10
Keith's Wakefield	2.50	.85	.30	.05
Keith's Danish Ballhead	3.00	1.00	.35	.10
Glory of Enkhuizen	3.00	1.00	.35	.05
Flat Swedish	2.50	.85	.30	.05
Keith's American Drumhead Savoy	2.50	.75	.25	.05
Red Danish Stonehead	2.50	.75	.25	.10
Winningstadt	2.50	.75	.30	.05

For many years Cabbage seed has been a leading specialty with us. Our Cabbage seeds are all grown from selected plants of proven strains. We believe there is no seed that is more reliable nor any that can be more depended upon to give the grower satisfactory results.

KEITH'S TABLE CARROTS AND CELERY



Keith's Selected Chantenay or Model Carrot

Few people realize that Carrots contain a very large amount of starch and sugar. They are easily grown, rarely if ever attacked by insects and are very rich in food value. You will get the full value out of this vegetable if you make three or four plantings, say three weeks apart, to afford a succession of tender roots. Make your first seeding as early as possible. In the hand-worked garden make rows 15 inches apart. For field work 24-inch rows are required to allow for horse cultivation. In heavy soil it is necessary to pay particular attention to the thinning. In light soil it is often best not to thin too carefully. Then the roots are not so liable to grow too large.

Sow 1 ounce to 100 ft. of drill, or 2 to 3 lbs. per acre. Cover one-half to one inch deep. See to it that the soil is pressed firmly above the seed. The seed takes considerable time to germinate and the seedlings are very slender and require careful cultivation until the crop is firmly established. Plant a few lettuce seed with carrot as a row mark so that cultivation can commence before the Carrot seed germinates. Ready for the table in 50 to 90 days from day of planting

CARROT

The most popular variety for the garden and the market gardener is the Chantenay. It is early, the roots are stump-rooted and of fine quality.

Another just as good is the Oxheart. A trifle shorter, very smooth

and free from side roots. Its name describes well its shape—short and thick.

If you prefer a larger variety, one that will yield better, you will be suited with the Danvers Half Long.

Keith's Early Scarlet Horn. Is just the thing for forcing or for early summer carrots. The root is thick and short. For stock feeding we find our White Intermediate to be the best. It is creamy white, with a light green crown. Short and thick set, easily harvested.

CARROT—POST PAID PRICES

Keith's Selected Chantenay or	lb.	½ lb.	¼ lb.	oz.	pkt.
The Model.....	1.00	.60	.35	.15	.05
Keith's Early Scarlet Horn...	1.00	.60	.35	.15	.05
Danvers Half Long.....	1.00	.60	.35	.15	.05
Oxheart or Guerande.....	1.00	.60	.35	.15	.05
Half Long Scarlet Nantes...	1.00	.60	.35	.15	.05
White Intermediate.....	.80	.50	.35	.15	.05

KEITH'S CELERY

For early crop sow seed in hot beds during February or March. The young plants are set in rich soil as soon as large enough, or after the trees start out in leaf. See that the seed bed is kept moist until the seeds germinate.

For Main Crop sow in the open ground in April and keep bed free of weeds. In June and July transplant to rows 3 feet apart and 6 inches apart in the rows. Cultivate between rows for 6 or 7 weeks. In August begin earthing up, to blanch, and press earth around each plant firm enough to keep leaves in upright position.

Use only well rotted manure, as fresh manure has a tendency to produce pithy or hollow stems. Lack of moisture will also have the same effect. Leaflet giving full cultural directions supplied on request.

Matures in 120 to 140 Days

CELERY

It has been stated, and we think it is a fact, that fully 85 per cent. of the Celery grown in this country is Golden Self-Blanching, White Plume and Easy Blanching, and that 65 per cent. of the commercial crop offered is the Golden Self-Blanching. This does not speak very well



Golden Self-Blanching Celery

for the balance of a long list of varieties offered, and on the other hand it gives a splendid recommendation for the Golden Self-Blanching, Easy Blanching and White Plume.

Golden Self-Blanching. Ships well, looks well, is easily grown and the quality is good. It is a golden yellow color, easily bleaching to a creamy white. The seed we offer is grown by the originator, Vil Morin, France. Many gardeners buy their seed one year ahead in order to test out the crop in a small way, and thus be sure of the next season's crop.

Easy Blanching. French grown seed. A little later, larger and hardier than the Golden Self-Blanching.

White Plume. Comes next in importance. It is earlier than the Golden Self-Blanching, and bleaches to a pure white.

Giant Pascal. This is the standard variety for winter market.

CELERY—POST PAID PRICES

Golden Self-Blanching. ¼ lb.,	\$3.00
oz., \$1.00; ½ oz., 60c; pkt.,	25c.
Easy Blanching. ¼ lb., \$1.25; oz.,	50c;
½ oz., 35c; pkt.,	10c.
White Plume. ¼ lb., \$1.00; oz.,	40c;
pkt.,	10c.
Giant Pascal. ¼ lb., \$1.00; oz.,	40c;
pkt.,	10c.

KEITH'S CAULIFLOWER SEED

HOLDS A REMARKABLE REPUTATION AMONG MARKET GARDENERS—ASK ONE!

We find this delicious vegetable nearly as easy to grow as cabbage, and most operations are similar, but always remember that Cauliflower will not head up well in hot, dry weather. It requires cool nights, therefore we recommend that you endeavor to plant so that maturity will come either before the hot weather sets in or not until the cooler weather of the fall. It takes about 3 to 3 1-2 months for this vegetable to develop.

The early plantings should be in the greenhouse or hot-bed in March. Transplant to cold frame when large enough to handle, then out to position in the open as soon as danger of hard freezing is over. The plants will endure a light frost.

Cultivate as you would cabbage.

The late plantings, sow at same time as for late cabbage. Sow in bed about June 1st and transplant out into position July 1st to July 15th. Cultivate as you would cabbage. Rows should be 2 1-2 to 3 ft. apart, plants, 1 1-2 ft apart. As soon as heads begin to form tie the leaves together over the head to keep out the light. The plants are subject to insects. To prevent this sprinkle while wet with tobacco dust, ashes or slug shot.

One ounce of seed will furnish about 1000 plants

Keith's Early Snowball. Price, $\frac{1}{4}$ lb., \$8.00; oz., \$2.50; pkt., 25c. No better strain to be got no matter what claims are made, nor how high a price is asked. No variety produces deeper, more solid heads of such excellent quality. It is compact in growth.



Keith's Early Snowball Cauliflower

Early Dwarf Erfurt. Price, $\frac{1}{4}$ lb., \$8.00; oz., \$2.50; pkt., 25c. Characteristics and general quality much the same as Snowball.
Danish Dry Weather. Price, $\frac{1}{4}$ lb., \$8.00; oz., \$2.50; pkt., 25c. Especially adapted to resist drought. Similar in growth to Early Erfurt

Stouffville, Dec. 18th, 1920

GEO. KEITH & SONS,
Toronto.

Dear Sirs:—

I feel I owe it to you to say that the Cauliflower Seed I got from you a year ago was first class. I had 1-2 lb. of the best seed I could get from one of other seedsmen, but the seed I got from you grew larger and stronger plants, and the heads were whiter and firmer.

Wishing you every success for the coming year, I am,

Sincerely yours,

MORGAN BAKER

Stouffville, Dec. 1, 1921

GEO. KEITH & SONS,
Toronto.

Dear Sirs:—

Kindly hold for me 1-2 lb. of the same strain of Cauliflower as I got last year. I had a fine crop.

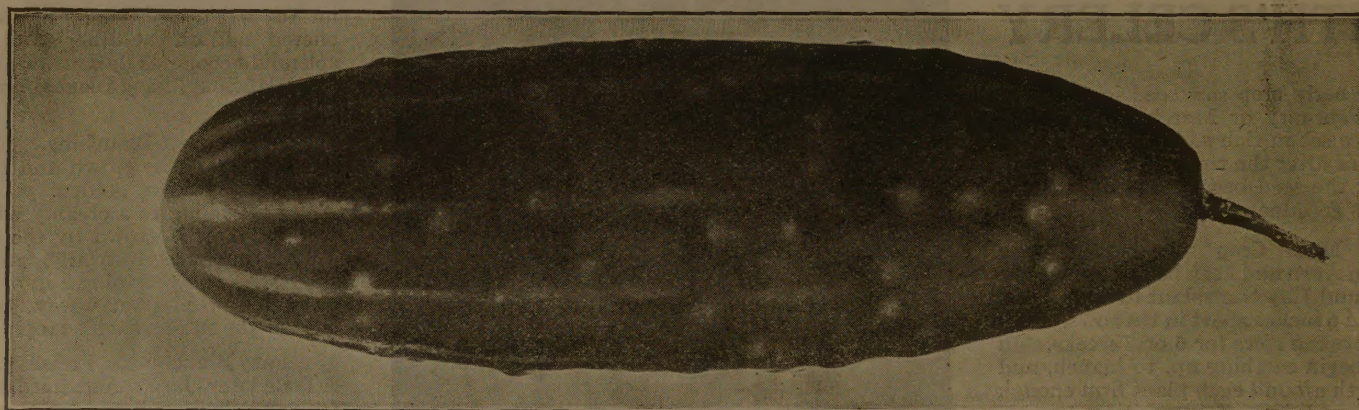
Sincerely yours,

MORGAN BAKER

Our Cauliflower Seed is grown for us by specialists in this vegetable in Denmark, and we know that our seed will produce as good a crop as any seed that can be bought. To secure results to our customers we have found it advisable to see the actual product of our cauliflower seed the year before we offer it for sale as the seed is expensive and so much depends on its quality. What we offer gives high germination. Leaflet with fuller cultural directions supplied on request.

CUCUMBERS

ARE READY FOR THE TABLE IN 60 TO 75 DAYS FROM DAY OF PLANTING



Keith's Perfection Cucumber

For the Home Garden—Plant 15 to 20 seeds, not over an inch deep, in each hill. Hills four to six feet apart each way. After plants begin to crowd and danger of beetle is over, thin to three plants to the hill. Cultivate frequently and shallow until runners prohibit it. Date of planting, May 15th to July 15th, at intervals for succession. One ounce of seed required for 50 hills.

For Field Work—Plow furrows four feet apart and similar ones at right angles to the first. At each intersection drop a shovelful or more of manure, which should be well mixed with the soil. At these points plant the seed similar to method described above. Two to three pounds of seed required for an acre.

For Early Crop—Start plants in boxes, pots or on a piece of sod (grass down) in house or hot-bed about March 15th to April 1st. Transplant to open ground in rich soil when danger of frost is over. Pick the fruit before it begins to ripen, as the vines will cease setting fruit as soon as any seed begins to mature.

Keith's Improved Long Green. Is a good all-round Cucumber. Makes a splendid pickler when young, and will grow a long dark green, almost seedless fruit for slicing.

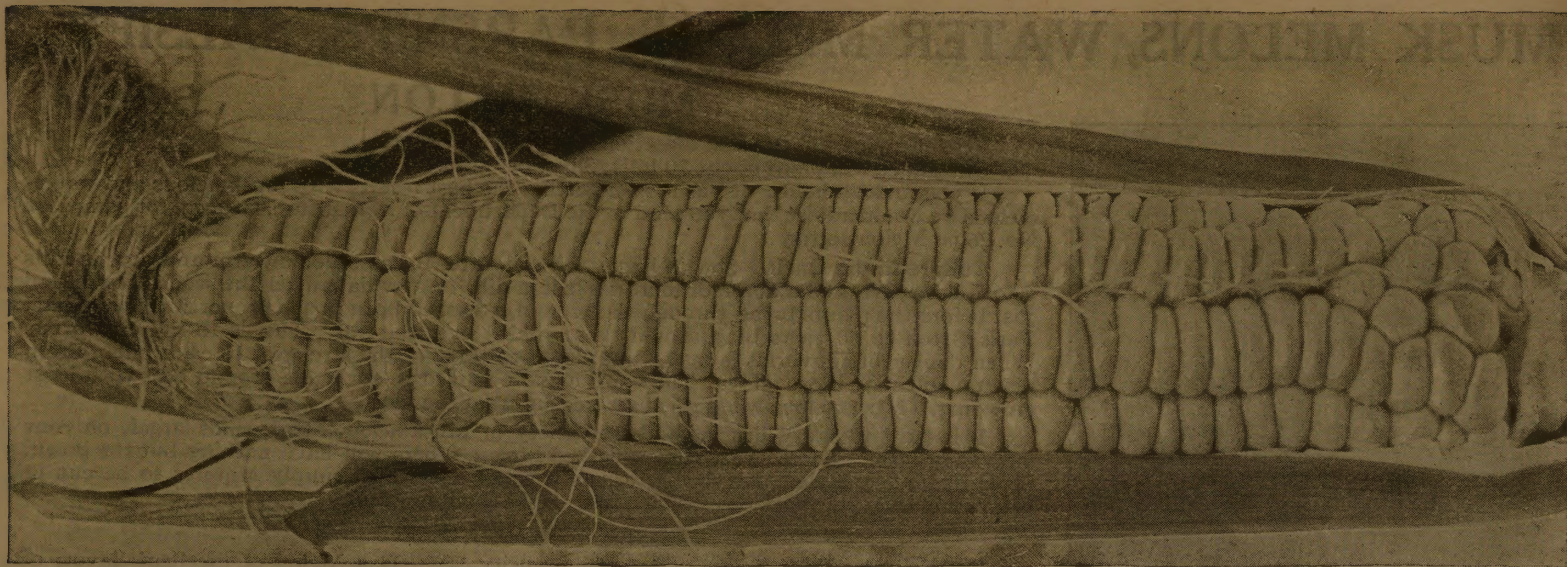
Keith's Perfection. Generally used as a slicer. It has a good reputation with the gardeners for forcing, but is mostly grown in the open. Do not think that it yields quite as well as the Long Green, but it is a more beautiful Cucumber.

Chicago Pickling. Grown for picklers, as is the case with any good well-known variety. There are a large number of strains which vary a little or none from the original. There is no occasion for stocking or listing more than one of them, so we have picked out what we consider the best strain. It is a variety developed by pickle factories.

Japanese Climbing. A distinct climbing sort. Makes great saving of space to the small gardener, as it can be grown alongside and trained to a fence. Fruit 10 inches long, crisp and of fine quality; color dark green.

CUCUMBER SEED—POST PAID PRICES

	per lb.	$\frac{1}{2}$ lb.	$\frac{1}{4}$ lb.	1 oz.	pkt.
Keith's Improved Long Green	1.50	.90	.55	.20	.05
Chicago Pickling	1.40	.80	.50	.20	.05
Japanese Climbing	2.25	1.25	.75	.25	.10
Keith's Perfection	1.50	.90	.55	.20	.05
White Spine	1.40	.80	.50	.20	.05
Early Frame	1.50	.90	.55	.20	.05



Keith's Golden Bantam Sweet Corn

SWEET CORN

In selecting varieties of Sweet Corn for your crop many things have to be considered. If it is a Yellow or Golden Bantam type that you require, we offer three:

Keith's Golden Bantam. Our best seller. Is seven to ten days later than our Early Cory White Cob, but its superior quality and flavor make it well worth waiting for. In our trials last year we had our first mess on July 20th.

Golden Giant (De Lue's). Last season we tried this selection of Bantam and found it to produce a crop of larger cobs than Golden Bantam, and much to our surprise it was ready a few days earlier, and the quality was very fine. Our conviction is that it is a valuable selec-

tion. **Bantam Evergreen.** A cross between Stowell's Evergreen and Golden Bantam. On good soil this throws a wonderful crop of fine large ears, being ready between the crops of the Bantam and the Stowell's.

Keith's Early Cory White Cob. Markey gardeners buy this extra early for their first crop.

Howling Mob. A larger white corn than Cory, and is ready about the same time as Golden Bantam. We think it an improvement on Kendall's Giant.

Keith's Stowell's Evergreen. Along with Golden Bantam this is our best seller. There is nothing in this catalogue that we are prouder of than this strain of Stowell's Evergreen. It is a main crop, white corn, large cobs, deep grain and high quality.

SWEET CORN PRICES

	CARRIAGE CHARGES EXTRA		POSTPAID		½ lb.	2 oz. pkt.
	5 lbs. or over	1 lb.	5 lbs. or over	1 lb.		
at per lb.			at per lb.			
Keith's Golden Bantam.....	.20	.30	.30	.40	.20	.10
Golden Giant (De Lue's).....	.35	.40	.45	.50	.30	.10
Bantam Evergreen.....	.20	.35	.30	.45	.25	.10
Keith's Early Cory White Cob.....	.18	.30	.28	.40	.20	.10
Howling Mob.....	.20	.30	.30	.40	.20	.10
Keith's Stowell's Evergreen.....	.20	.30	.30	.40	.20	.10
Country Gentleman.....	.20	.30	.30	.40	.20	.10
Black Mexican.....	.20	.30	.30	.40	.20	.10

KEITH'S LETTUCE SEED

One ounce of seed will sow 150 feet of drill.

Loose Leaved Varieties. Best where lettuce is grown thick in the row as is often the case, also for lettuce in the hot weather, as the head lettuce has a tendency to run to seed, and for forcing in the green-house.

The most popular varieties for early use and for forcing are the **Grand Rapids** and **Curled Simpson**. They do not make a head, but a loose fluffy bunch of tender light green or creamy leaves, and grow rapidly.

We are often asked how to grow heads of Lettuce that everyone likes, or as good as those offered in the stores at 10c. and 15c. a head. Use **May King**, **Tom Thumb** or **Tennis Ball**, or **Crisp as Ice** or **Big Boston**.

Points to be considered:

- (1) It takes 70 to 80 days to mature good heads.
- (2) Lettuce is a cool weather plant, therefore plant to harvest before hot dry weather sets in or after hot season is over.
- (3) Give each plant plenty of room—say a square foot of ground. Lettuce transplants readily.
- (4) Rich soil. Constant cultivation. That is where a good wheel hoe comes in handy.
- (5) If you are prepared to irrigate, so much the better. It takes barrels and barrels for only a small space. Use plenty of water.
- (6) A light application of Nitrate of Soda sprinkled between the rows helps.

LETTUCE SEED—POSTPAID PRICES

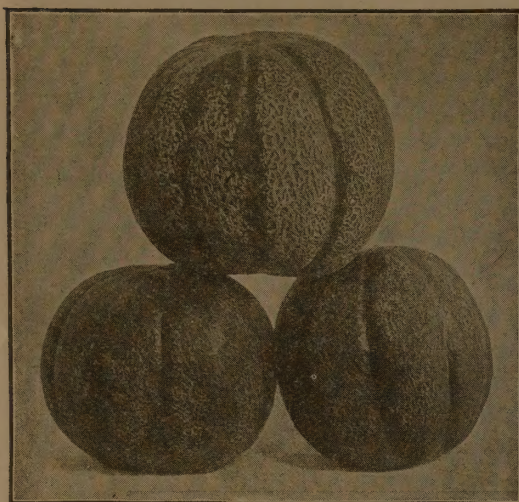
	lb.	½ lb.	¼ lb.	oz.	pkt.
Grand Rapids.....	1.50	.90	.60	.20	.05
Curled Simpson.....	1.50	.90	.60	.20	.05
New York.....	1.50	.90	.60	.20	.05
May King.....	1.50	.90	.60	.20	.05
Crisp as Ice.....	1.50	.90	.60	.20	.05
Nonpareil.....	1.50	.90	.60	.20	.05
Tom Thumb.....	1.50	.90	.60	.20	.05
Trianon Cos.....	1.50	.90	.60	.20	.05
Big Boston or Unrivalled.....	1.50	.90	.60	.20	.05



Grand Rapids Lettuce

MUSK MELONS, WATER MELONS, PARSNIPS, SALSIFY

MUSK MELON



Extra Early Prize Musk Melon

Leaflet giving full cultural directions supplied on request.

One ounce will plant about 70 hills; 3 lbs. per acre.

If you make a hobby or business of getting the best results with muskmelons and water-melons we would advise that you send to the Department of Agriculture, Ottawa, for pamphlet No. 26 on Melon culture.

Culture in the Open. Sow in light, rich soil, after it has become warm and dry, in hills 6 to 7 feet apart, and a dozen or more seeds in a hill. A few days after the seed is sown, and just before the plants break through the ground, poisoned bran in the proportion of one part Paris Green to 50 parts bran should be sprinkled over the hill. This is to kill cutworms. When danger of cutworms is over, thin plants to three of the strongest to each hill. From now on cultivate thoroughly. The vines may be moved to cover the ground best with least crowding. Muskmelons when ripe break easily from the vine.

It is hard to say which is the best variety of Muskmelon. It depends largely on your individual taste. Some like a salmon-fleshed Melon, others will have nothing but the green. Some like a big Melon, for slicing, others a small one which simply requires to be cut in half. We offer you varieties which cover all these requirements

GREEN FLESHED SORTS

Keith's Extra Early Prize. (Days to maturity 90). Is a Melon of excellent flavor, of convenient size (oblong, about 7 inches long). We have found it the earliest high quality Melon, and it is a very satisfactory one to grow in Ontario and Quebec.

Rocky Ford. (Days to maturity 105). We have a fine strain of this well-known Melon. Fruit small, almost round.

Extra Early Hackensack. (Days to maturity 100). Medium to large in size. Used either as an early market variety or as a home garden sort.

Improved Montreal Nutmeg. (Days to maturity 120). The largest and most noted Muskmelon in cultivation.

SALMON FLESHED SORTS

Paul Rose or Petoskey. (Days to maturity 105). Uniform in size, running about one and a half pounds. The bright orange flesh is very thick, firm, and of delicious flavor.

Extra Early Osage. (Days to maturity 100). Oval in form. One of the best Melons we know of.

MUSKMELON SEED—POSTPAID PRICES

	1 lb.	½ lb.	¼ lb.	oz.	pkt.
Keith's Extra Early Prize.....	1.45	.90	.50	.25	.05
Rocky Ford.....	1.45	.90	.50	.25	.05
Improved Montreal Nutmeg.....				.75	.10
Extra Early Hackensack.....	1.45	.90	.50	.25	.05
Extra Early Osage.....	1.45	.90	.50	.25	.05
Paul Rose or Petoskey.....	1.45	.90	.50	.25	.05

WATER MELONS

Culture. Treat the same as Muskmelon. One ounce will plant about 50 hills.

Cole's Early. (Days to maturity 100). This is the first Melon for the Canadian garden. Nearly round. Flesh dark red.

Kleckley's Sweet. (Days to maturity 125). Large oblong. Suitable for the home garden.

WATER MELON SEED—POSTPAID PRICES

	lb.	½ lb.	¼ lb.	oz.	pkt.
Cole's Early.....	1.00	.60	.40	.20	.05
Kleckley's Sweet.....	1.00	.60	.40	.20	.05
Ice Cream or Peerless.....	1.00	.60	.40	.20	.05

PEPPERS

Plants had best be started early in March and should receive practically the same attention as tomatoes. Set out into the field when all danger from frost is over. Rows 2 feet apart, allow 1 foot between plants.

Hamilton Market. Price, oz. 50c; pkt. 10c.

Large Bell or Bull Nose. Price, oz, 50c; pkt, 10c. A large, early, bright red variety.

Large Red Cayenne. Price, oz, 50c; pkt, 10c. Too late for northern parts of our country.

PARSNIP

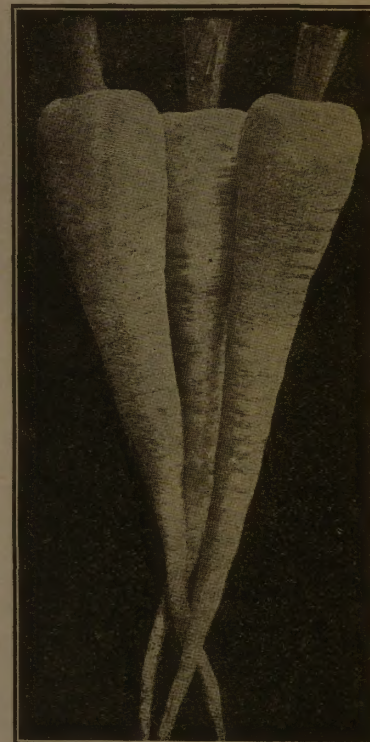
Sow seed early in the spring in rows 15 to 16 inches apart in hand-worked gardens and 24 to 30 inches apart for horse cultivation. The seed is usually slow in germinating and it is a good plan to sow a few radish or lettuce seeds with the parsnip seed to mark the rows for early cultivation. Thin plants to 4 inches apart in row. Watch your plantings carefully and see if a good catch is secured. If not plant again. A good crop in suitable soil will be yours from seed planted even up to July. Roots take about 100 days to develop. One ounce to 100 feet of drill.

Keith's Improved Hollow Crown Parsnip. Price, per lb., 65c; ½ lb., 50c; ¼ lb., 30c; Oz., 15c; pkt., 5c.

SALSIFY OR OYSTER PLANT

One ounce to 60 feet of row. 10 lbs. per acre. Soil, seeding, culture and storing same as the parsnip.

Sandwich Island Salsify. Price, per lb., \$2.00; ½ lb., \$1.15; ¼ lb., 65c; oz., 20c; pkt., 5c.



Keith's Improved Hollow Crown Parsnip

KEITH'S SURE CROP ONION SEED

Culture. Sow 1 oz. for 100 feet of drill., 6-7 lbs. to the acre; 30 lb. to the acre for picklers; 60 to 80 lbs. per acre for sets. The onion to mature properly should have an abundance of plant food in the soil to force early growth. The seed should be sown just as soon as the soil can be worked. The earlier the better, in rows 15 to 18 inches apart—seed to be covered not more than $\frac{1}{4}$ inch deep and soil firmed over the seed. The plants should be thinned to 1 inch apart, and these as they develop may be taken out for use, leaving the bulbs for maturing 2 inches apart. The reason for thick necks and late maturing of this crop is that the growth has not been forced early and this can be overcome only by early seeding and an available food supply early in the spring.

Market gardeners often start the seed in flats in the house in February or early March, and harden off for setting out early in May, spacing them 4 inches apart in the row. Plants when set out should be 6 inches to 8 inches high. This method takes more labor at the start, but a great saving is made in the field work later on and the quality and size of the crop is better.

ONION SEED

The variety of Onions to grow depends on your market. Study that market, then if possible grow the particular kind wanted. The best known and most popular among the yellow Onions is:

KEITH'S YELLOW GLOBE DANVERS. Market gardeners all over Canada know what fine Onions our strain will produce. We sell more of this variety than any other. They will keep solid all winter and sell at any time.

Our **PRIZETAKER.** Is a big yellow Onion. Mild and tender. Taken one year with another it is probably the best yielder of any of the varieties. Its only fault is that it does not keep well for spring trade. It should be disposed of in the fall or early winter. This is a good variety to start inside and transplant.

The **AUSTRALIAN BROWN.** Is the best keeper. A shade smaller than the Globe Danvers and of a reddish brown color.

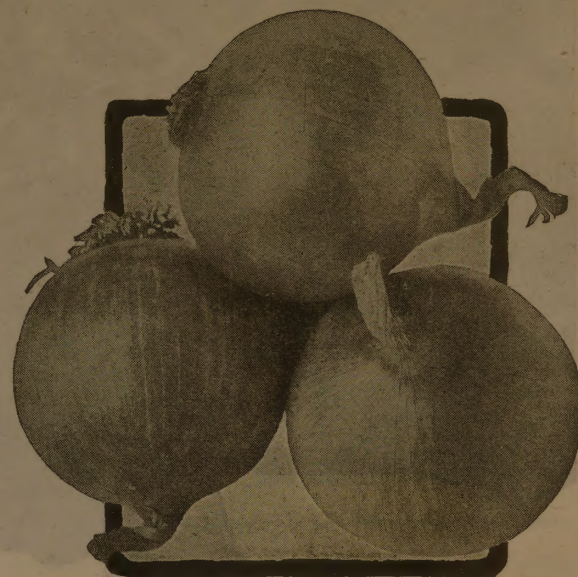
The **YELLOW STRASBURG.** Is used for the finest grade of Onion Sets. They will make by all means the handsomest sample of any of the yellow varieties.

SOUTHPORT WHITE GLOBE. It is possibly the best white Onion for the market gardener. It is rather late and takes a long growing season to mature perfectly. If you want an earlier White Onion you should use **WHITE PORTUGAL**

WHITE BARLETTA. Will produce small white picklers in about 80 days, and is used extensively for bunching.

WHITE WELSH. Forms no bulbs. Used for bunching and green Onions. Plant in July and August.

The best known of all Red Onions is the **RED WETHERSFIELD.** It is early and next to the Australian Brown is the best keeper.



Southport Yellow Globe Onions

ONION SEED—POST PAID PRICES

	5 lbs. or over at per lb.	1 lb.	$\frac{1}{2}$ lb.	$\frac{1}{4}$ lb.	oz.	pkt.
Keith's Giant Yellow Prizetaker . . .	1.50	1.65	1.00	.60	.20	.05
Keith's Yellow Globe Danvers	1.50	1.65	1.00	.60	.20	.05
Southport Yellow Globe	1.50	1.65	1.00	.60	.20	.05
Southport Red Globe	2.00	2.25	1.25	.75	.20	.05
Southport White Globe	2.25	2.50	1.60	.85	.30	.05
White Portugal	2.25	2.50	1.50	.75	.30	.05
Keith's White Barletta Pickling	2.00	2.50	1.50	.90	.30	.05
Keith's Large Red Wethersfield	1.50	1.65	1.00	.60	.25	.05
Australian Brown	1.50	1.65	1.00	.60	.20	.05
Yellow Strasburg	1.50	1.65	1.00	.60	.20	.05
White Welsh	2.25	2.50	1.50	.90	.30	.05
Denia		5.00			.75	.10

ONION SETS

PRESENT PRICES

For green onions 1 lb. will plant about 25 feet of drill. For large onions 1 lb. for 50 feet of drill. Sets will produce green onions in half the time it takes to raise them from seed. By planting sets a saving of 4 to 6 weeks is made in producing large onions, over the planting of seed. For large onions plant 300 lbs. of sets to the acre. For green onions plant 600 to 1000 lbs.

YELLOW ONION SETS—PRESENT PRICES

Carriage charges extra—25 lbs., 15c. per lb.; 5 lbs., 20c. per lb.; 1 lb., 25c.
Postpaid—5 lbs., 30c. per lb.; 1 lb., 35c.

WHITE ONION SETS—PRESENT PRICES

Carriage charges extra—25 lbs., 18c. per lb.; 5 lbs., 20c. per lb.; 1 lb., 30c.
Postpaid—5 lbs., 35c. per lb.; 1 lb., 40c.

SHALLOTS—PRESENT PRICES

Carriage charges extra—10 lbs., 15c. per lb.; 1 lb., 25c.
Postpaid—5 lbs., 25c. per lb.; 1 lb., 35c.

GARLIC SETS. Postpaid, 50c. lb.



Onion Sets

KEITH'S GARDEN PEAS

GOOD TO
LOOK AT

BETTER
TO EAT



Keith's Gradus Peas

KEITH'S SEEDS IN CHINA

Hwai Yuen, Anhwei, China
July, 13th, 1921

GEO. KEITH & SONS
Toronto

Dear Sirs:—Thank you for the wonderful seeds which came in January, Flowers and Vegetables both. We have never had so pretty and fruitful a garden, and I think it is because the seeds were so good, and because they came in such good time. It means so much to have a few fresh vegetables, and we have never had such success before as we had with the seeds you sent, so I enclose a list for next time.

Sincerely yours,

(Signed) H. R. McCURDY

During the war it was not always possible to secure the quality of stock that we like to send out. This year, however, we have the quality and we know that better seed cannot be purchased, regardless of price.

The peas which we offer have been grown by experts with years of experience, and they are true to type, bright, clean, sound seed, showing strong germination. Peas are considered by most to be the tastiest vegetable they can raise in the garden.

For early peas the soil should be light and warm. For general crop a moderately heavy soil is better.

Where there is plenty of room we would plant all varieties comparatively early, depending for succession upon selecting sorts that follow each other, but many make plantings up to July 1st.

Quantity to Sow. Very few people sow enough peas. For a family of five or six people and a liberal supply you would require your plot for all varieties to be about 30 feet by 30 feet. This would take about 2 to 3 lbs. 1 lb. plants 100 feet of drill, 2 bushels for an acre.

The wrinkled varieties are more sensitive to cold w't weather than the smooth sorts, and if ground is wet and cold are more liable to rot.

Plant the Alaska very early, in double rows 6 inches apart and 2½ feet to 3 feet between the double rows. This variety is valuable especially for its earliness and hardiness. These can be sown while some frost is in the ground.

Plant the wrinkled varieties in double rows 6 to 8 inches apart and 2 to 3 feet between the double rows. The tall varieties do better with supports, in very rich garden soil.

The Alaska is ready for use in about 50 to 60 days from planting, the later varieties in 70 to 85 days.

GARDEN PEAS

The earliest variety of Peas and the surest to make a crop is the Alaska. They grow about knee high and set very full of rather small dark green pods, which are almost all ready to pick at one picking. Market gardeners especially are advised to plant heavily of this variety, as it is a great money-maker.

American Wonder and Little Marvel. Have vines about 15 inches. They respond quickly to high cultivation and are ready for picking a few days later than the Alaska. The sugar content and quality is better. Ready for picking in 60 days from planting.

The Thomas Laxton and The Gradus. Have vines about 2 to 2½ feet. Pods about 4 inches. We find these two varieties are much akin and both give a high yield of first quality large peas. Crop is ready to pick about the same time as the American Wonder.

Dwarf Defiance, Dwarf Telephone and Strategem. Are all very fine main crop sorts. Large pods and peas that delight the most particular taste. Vine about 2 feet. Pods about 4½ inches. They all are ready to pick in about 70 to 75 days, from planting.

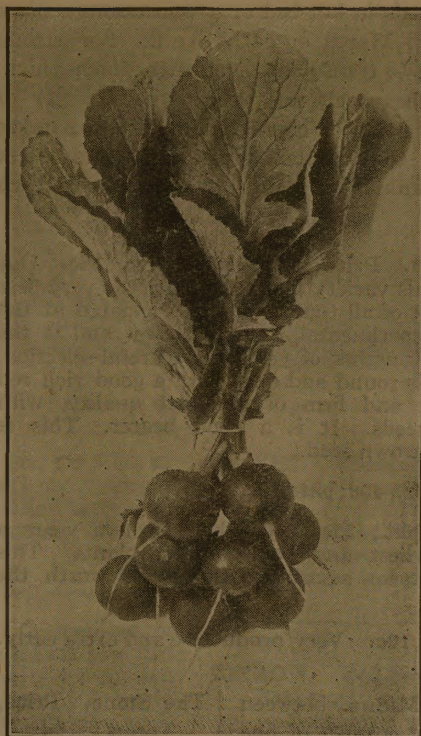
Garden Peas. This lot of wrinkled peas, grown by a farmer who was not sure of the variety. On this account we can offer it at a reduced price. Those growing for market in large quantities will find these to be a great saving in seed cost, and will also find that they will have abundance of splendid green peas.

GARDEN PEAS	—CARRIAGE CHARGES EXTRA—		PRICES		—POSTPAID—	
	5 lbs. or over, at per lb.	1 lb.	5 lbs. or over, at per lb.	1 lb.	½ lb.	2 oz. pkt.
Alaska.....	.18	.30	.28	.35	.25	.10
American Wonder.....	.22	.30	.30	.40	.25	.10
Peter Pan or Blue Bantam.....	.30	.35	.40	.45	.25	.10
Little Marvel.....	.25	.30	.30	.40	.25	.10
Gradus or Prosperity.....	.25	.30	.35	.40	.25	.10
Thomas Laxton.....	.25	.30	.35	.40	.25	.10
Dwarf Defiance.....	.30	.35	.40	.45	.25	.10
Dwarf Telephone.....	.22	.30	.30	.40	.25	.10
Strategem.....	.25	.30	.30	.40	.25	.10
Garden Peas.....	.15	.20	.25	.30	.20	.10

RADISH - PUMPKIN SQUASH



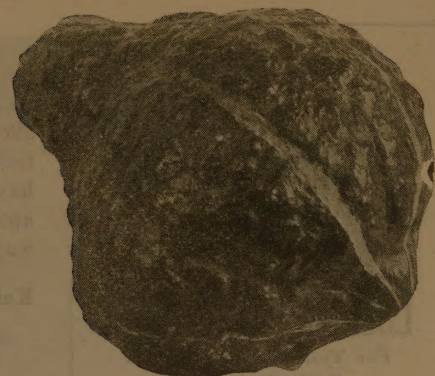
White Icicle Radish



Keith's Scarlet Globe Radish



Keith's Scarlet Turnip White Tipped Radish



Keith's Improved Hubbard Squash

RADISH

One ounce to 100 feet of row. 8 to 10 lbs. to the acre. 30 to 40 days from seeding to maturity. Quick growth is essential to get the desired quality. This means rich soil and plenty of moisture. Some gardeners avoid planting radishes on ground where cabbage, turnip or radish had been grown the previous season, as a preventive measure against root maggots. Start plantings as early as possible. Successful crops have been raised by even sowing broadcast on the top of the snow in spring, and after crop removed same ground cropped with potatoes or corn. Usually plant in rows 8 to 10 inches apart. Successional plantings can be made every two weeks up till September. In the hot summer moist cool soils or shade are required. Sow winter varieties in July and August. They do best like turnips in the late autumn.

Keith's Scarlet Turnip White Tipped Radish. Price, 90c. per lb; ½ lb, 60c; oz, 15c; pkt, 5c. Our experience in testing all varieties of radish, shows this to be the best early, either for forcing or sowing in the open. Color, bright scarlet tipped with white. We sell more of this variety than all the other varieties put together. Ready to eat in about a month.

Keith's Scarlet Globe. Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Similar to above with exception of white tip. Possibly throws a larger radish.

French Breakfast. Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped. Scarlet with white tip.

White Icicle. Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Best pure white. Crisp and tender when young, remaining in condition for use a considerable time. However, successional plantings are required for high quality.

WINTER VARIETIES

China Rose. Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped, red. One of the best.

Round Black Spanish. Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Flesh, firm and white.

Long Black Spanish. Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Flesh, firm and white.

SQUASH

The squash is one of the most nutritious and valuable vegetables. The summer varieties are ready for the table early in the summer and the fall and winter sorts can be had from August until the following spring. Plant seed in extra fertile soil, in settled warm weather. The vining varieties in hills 8 to 10 feet apart each way and the bush varieties 4 to 5 feet. When plants are well started thin out to 3 plants to the hill. Squash can be grown satisfactorily with corn. Follow the method recommended for pumpkin. 1 oz. seed for 25 hills. Running varieties four pounds per acre; Bush varieties six pounds per acre.

AUTUMN AND WINTER VARIETIES

Keith's Improved Hubbard. Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c; pkt, 5c. Our strain is the finest grown. The vines are strong and of running growth. Fruit dark green.

Delicious. Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c; pkt, 5c. Medium size. Vines of running growth. Very fine flavor. For private garden select this variety.

SUMMER VARIETIES

Golden Hubbard. Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c; pkt, 5c. Like the Green Hubbard, but is earlier, and has a golden shell. Running variety.

Long White Bush. Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 70c; oz, 20c; pkt, 5c. Bush growth. This is the earliest of the summer squashes. The skin white, flesh tender and good quality.

Golden Summer Crook Neck (Bush). Price, per lb, \$1.50; ½ lb, 85c; ¼ lb, 50c; oz, 20c; pkt, 5c. We like this variety the best of the early squashes. Fruit about a foot long. Use before the shell gets hard. It is very productive.

Vegetable Marrow. Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 70c; oz, 20c; pkt, 5c. A delicious English variety. Bush type. Skin greenish white. Flesh white, soft and of good flavor.

PUMPKIN

One ounce of seed will plant 25 hills. Four pounds per acre. Plant in June. This crop can be grown as a companion crop for corn. Plant in hills in every fourth row of corn. Have the hills 10 feet apart. When the vines begin to run, when cultivating omit these rows, otherwise the vines will be injured. In some districts it is considered the thing to plant this crop in the orchard among the trees, hills 10 feet apart each way. Cultivate shallow.

Keith's Pie Pumpkin. Price, per lb, 50c; ½ lb, 30c; oz, 15c; pkt, 5c. A fair sized pumpkin, sweet and of good quality.

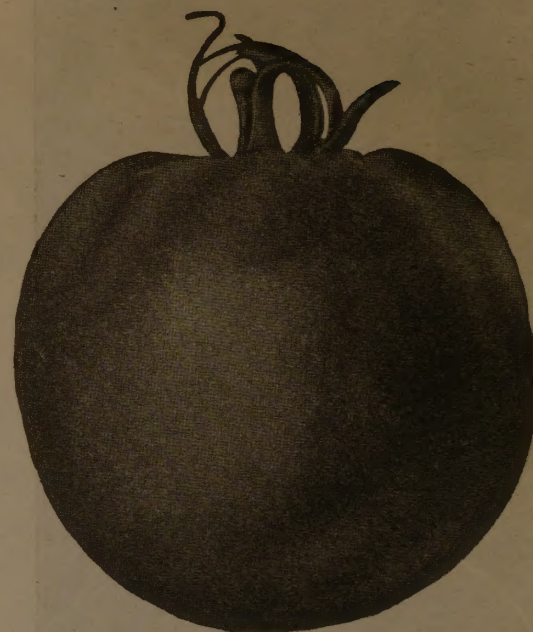
KEITH'S DEPENDABLE TOMATO SEED



USE
Locked Plant Band
For Your Tomato Plants
2 x 2 x 2½ inches
Made of strong paper
Price, \$1.00 per 100

Sow the seeds in hot-bed or a warm sunny place in the house in March or early April. For strong plants it is best to transplant them when 2 inches high, allowing 4 inches each way, then when danger of frost is past transplant to open ground. If using stakes have plants 12 to 18 inches apart, with rows 3 feet apart. If not staking set plants out 4 feet apart each way.

Keith's Alacrity. Price, oz., \$1.00; pkt., 25c. Our strain of this variety is undoubtedly the very best and earliest of all tomatoes. It originated at the Central Experimental Farm, Ottawa, and is the result of a number of years very careful selection. The fruit is round and deep with a good rich red color, flesh and firm of excellent quality, with very few seeds. It is a good bearer. This is Canadian-grown seed.



Keith's Alacrity Tomato

Alacrity. American grown seed. Price, ¼ lb., \$1.25; oz., 40c; pkt., 10c.

Keith's Earliana. Price, ¼ lb., \$2.00; oz., 75c; pkt., 25c. For the last five years a selection of Earliana has been made of the earliest and best cropping plants. This necessarily means higher cost of production. We can assure you that it is worth the difference.

Spark's Earliana. Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. Very productive and extra early. Fruit of fair size, round, smooth and solid.

Bonny Best. Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. Midway between Earliana and Chalk's Jewel for earliness. Heavy cropper of fine clean fruit.

Chalk's Early Jewel. Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. From seeds planted at the same time and with plants grown under the same conditions. Early Jewel is only about one week later in ripening the first fruits than Spark's Earliana, while it is a much more desirable variety in many ways. The plants are of strong, robust growth, and ample foliage to protect the fruit from sun scald, and the foliage is not subject to blight. The fruit is bright scarlet and of finest quality for table use. Very prolific.

The Stone. Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. The best main crop variety. A bright scarlet perfectly smooth tomato. Always dependable. Very vigorous and productive.

John Baer. Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. Medium early. Vigorous grower.

Carter's Sunrise. Price, oz., \$2.50; pkt., 25c. A great favorite in the private garden. Fruit grows in clusters like grapes. Originally a hot-house tomato in England. Requires to be staked and well pruned.

KEITH'S HOME GARDEN COLLECTION



A Complete Vegetable Garden for One Dollar, Postpaid

WE want you to know the value of **KEITH'S SEEDS**, therefore we offer you this splendid collection of vegetable and flower seeds at an exceptionally low price.

We honestly believe that this is a great opportunity and next summer thousands of gardeners who buy this collection will be tremendously pleased with their gardens.

Keith's Seeds are tested for germination and must show strong, vigorous growth before sending them out, so you are sure of good seeds.

OUR BIG TRIAL ASSORTMENT FOR ONLY \$1.00

This collection is made up all ready for mailing, therefore no change in varieties can be made

The leaflet "The Vegetable Garden," giving full cultural directions is also included. Send us \$1.00 and we will mail you the full list below.

1 pkt. SWISS CHARD—Lucullius
1 oz. BEET—Crosby's Egyptian
1 pkt. CARROT—Chantenay
1 pkt. CABBAGE—Copenhagen Market
1 pkt. CUCUMBER—Keith's Perfection
1 pkt. LETTUCE—Big Boston

1 oz. ONION—Yellow Globe Danvers
1 pkt. PARSNIP—Hollow Crown
1 oz. RADISH—Scarlet White Tip
1 pkt. PARSLEY—Curled
1 pkt. TOMATO—Earliana

2-oz. pkt. BEANS—Improved Golden Wax
2-oz. pkt. PEAS—American Wonder
2-oz. pkt. CORN—Golden Bantam
1 pkt. SWEET PEAS—Choice mixed Spencers
1 pkt. NASTURTIUMS—Choice mixed Dwarf

MISCELLANEOUS VEGETABLES



Chinese Celery Cabbage

ARTICHOKE ROOTS. By express, 70c. per peck, 3 lbs. for 50c., or 20c. lb. postpaid. Cultivate like potatoes in rows at least 30 inches apart and 30 inches between plants. Dig in the fall and have land thoroughly turned over. Store as you would potatoes. The demand for good artichokes is increasing.

BORECOLE OR KALE. Price, oz., 20c; pkt., 5c. A member of the cabbage family which does not head up. The leaves are like giant parsley in appearance and are used principally for greens, cooked in the same way as spinach. Seed sown out of doors in May or June and cultivated as you would cabbage will give good plants in the fall. Freezing is supposed to improve the flavor.

BRUSSELS SPROUTS. Price, oz., 50c; pkt., 10c. Successful crops are raised from planting outside in May. The culture is very similar to that of late cabbage. Care should be taken to break down the lower leaves in the early fall, in order that the small heads will have more room to grow.

CHINESE CELERY CABBAGE. Price, $\frac{1}{4}$ lb., \$1.00; oz., 35c; pkt., 10c. As a salad to be served with mayonnaise or French dressing we emphatically urge its more general use. It may also be used in the same manner as spinach or swiss chard, giving a dish which resembles cabbage in appearance, and tasting somewhat like the first cabbage out of your garden. It is not only more nutritious than lettuce but it is a better keeper, and is far cheaper to grow. Produces quickly from seed sown in the open ground after May 15th, or at the same time as turnips. Early plantings run quickly to seed in hot weather. Sow in drills 14 to 20 inches apart and thin out to about 15 inches. A period of 100 to 120 days is required to bring heads to full size. Out experience shows it to be a cool weather plant and that the best heads formed after the hot weather and remained in splendid condition right up till hard frost. The head is solid and self blanching. Its average size is about 12 inches long and 4 inches in diameter.

WITLOFF CHICORY OR FRENCH ENDIVE. Price, $\frac{1}{4}$ lb., \$1.50; oz., 50; pkt., 10c. Makes one of the most delicious of winter salads. Sow in the ground not later than June in drills 12 inches to 18 inches apart. Thin out the seedlings to about 4 inches. The plants are lifted in the fall and stored in sand until wanted for forcing. To force, plant upright in earth in the bottom of a barrel so that the roots are covered with damp earth. Put cover on top of barrel to keep out the light. Then place the barrel in a warm part of the cellar, temperature 60-70 degrees.

CORN SALAD. Price, oz., 20c; pkt., 5c. This is a small, quick growing plant for late fall, winter and spring use. The leaves are used as a substitute for lettuce and spinach. During August and September sow the seed in shallow drills about 1 foot apart, covering with about one-fourth inch of fine soil firmly pressed down. On the approach of severe cold weather cover with straw or coarse litter. The plants will also do well if seed is sown very early in spring and like most salad plants are greatly improved if sown on very rich soil. 1 oz. will sow about 18 square feet.

CHIVES. Price, 40c. for 3 bunches of roots. Chives are very hardy perennial members of the onion family. They are grown for their tops. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early and can be cut throughout the season, and used in salads and for flavoring, etc.

CITRON. Red Seed. Price, per lb., 80c; $\frac{1}{4}$ lb., 35c; oz., 15c; pkt., 5c. Same culture as melons. The best variety for preserves, striped and marbled with light green. Flesh white and solid. Harvest in fall and use as soon as possible or decay soon sets in. One ounce will plant about 25 hills.

CRESS. Extra Curled. Price, lb., 50c; oz., 15c; pkt., 5c. If cress is wanted in the best condition new sowings should be made every few days. Sow the seed rather thickly in rows a foot apart, selecting good garden loam.

CRESS. True Water. Price, oz., 65c; pkt., 10c. When possible imbed the seeds in the bed of the stream. Care should be taken that no weeds interfere with the growth. Clean, pure running water is essential.

EGG PLANT. Black Beauty. Price, oz., 50c; pkt. 10c. **New York Improved.** Price, oz., 50c; pkt., 10c. Sow seeds in hot bed in March. When three inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stalky. Plant out in the open ground in early June. Set plants 2 feet apart with rows three feet apart.

ENDIVE. Green Curled. Price, oz., 20c; pkt., 10c. For early crop sow seed in flats in the hot-bed or greenhouse. Transplant $1\frac{1}{2}$ inchse apart and finally plant in the garden 12 inches apart in the row. For the late crop the seed should be sown about the 1st of August, thinly in rows 12 to 16 inches apart and plants thinned to 6 inches apart. Treat as lettuce, except as the heads become large enough to use the leaves should be drawn up and tied at the top to blanch the heart and make it tender. Should be given plenty of water

KOHL RABI. This vegetable looks like a cross between a cabbage and a turnip and is better eating than either. The leaves look like cabbage, only smaller. It makes a sort of turnip, but above ground. It is a plant deserving of a place in every home garden. Save for cauliflower it is superior in quality to any of the cabbage group. It is naturally a cool weather plant, and should be grown to mature before the hot weather sets in or in the fall, and gathered while still young and tender. Grow it like you would a cabbage. Matures in about 2 months with White Vienna being the earliest. **Early White Vienna.** Price, oz., 25c; pkt., 10c. **Purple Vienna.** Price, oz., 25c; pkt. 10c.

MISCELLANEOUS VEGETABLES AND HERBS

(HERBS—Continued)

LEEKs. Seed is usually sown out of doors in rows 15 inches apart and the young plants thinned two to three inches apart. The crop should be handled a good deal the same way as onions. It is advisable to draw some earth up around the plants towards the end of the season.

Musselburgh. Price, oz., 30c; pkt., 10c. Very hardy. Leaves fan shaped and dark green.

MUSHROOMS. If you require information about the culture of mushrooms we would advise you to write the Central Experimental Farm, Dominion of Canada, for pamphlet No. 22.

Keith's Mushroom Spawn. Price per brick, 35c; postpaid, 50c. This is the best that money can buy.

MUSTARD. Price, per lb., 75c; oz., 15c; pkt., 5c. Seed planted in rows 12 to 14 inches apart. Sow seed somewhat thicker than lettuce early in the spring with successional plantings every two weeks. The tender young leaves are used for salad purposes and later for greens the same as spinach. Market gardeners plant this inside or in frames during the winter similar to cress.

PARSLEY. Market Gardeners' Best. Price, per lb., \$1.00; ½ lb., 60c; ¼ lb., 30c; oz., 20c; pkt., 5c. Sow seed thickly early in the spring in rows one foot apart and ½ inch deep. As the seed is slow in germination, 3 to 4 weeks, it is rather a good idea to plant with the seed a few lettuce seeds to mark the rows and break the crust.

SEED POTATOES. Observe that prices quoted are present prices only. If we can possibly fill your order at these prices we will do so.

We are endeavoring to secure some seed registered by the Government of the varieties of Cobbler and Green Mountain. If you are interested in the very best, as most market gardeners are, write for prices.

Irish Cobbler. Present price per bag, \$3.50. When this variety is kept up, and a selection made of a strain that is true to type and that is free from disease, a splendid crop of fine white-skinned potatoes will be the result. Stock offered herewith is selected, clean, medium to large potatoes. Ordinary stock. Present price, \$3.00.

Green Mountain. A large, handsome, oval white potato. One of the finest eating potatoes known to the trade.

Selected stock. Present price per bag, \$3.50. Ordinary stock. Present price per bag, \$3.00.

SPINACH. One ounce to 50 feet of drill. 12 lbs. to the acre. Sow in drills 1 foot apart, 1 inch deep, as early as the ground can be worked and every two weeks for succession. Thin to 6 inches apart when leaf is 1 inch wide. Use when young and tender. Light applications of nitrate of soda often help this crop.

Extra Large Leaved or Giant Flanders. Price, per lb., 50c; ½ lb. 35c; ¼ lb., 25c; oz., 15c; pkt., 5c.

New Zealand. Price, oz., 20c; pkt., 10c. Unlike above variety in type in that it thrives during hot weather and grows in any soil, rich or poor. The plants grow large and spreading and produce abundance of leaves. The young leaves are picked and separated from the stems. Plant 4 to 5 seeds in each hill. Hills 2 feet apart each way. Early in the spring. Soak seeds in water for a day before planting. The tender shoots are of excellent quality and may be cut throughout the summer.

TURNIPS. Extra Early White Milan. Price, per lb., \$1.25; oz. 15c; pkt., 5c. Very early, white, tender and sweet.

Golden Ball (Orange Jelly). Price, per lb., \$1.00; oz., 15c; pkt., 5c. Medium size. The best of the yellow-fleshed turnips. Flesh of excellent quality.

RHUBARB. This plant is valuable in every garden. It succeeds best in deep somewhat retentive soil. The richer this is and the deeper it is stirred the better. Sow in drills an inch deep and thin out plants to 6 inches apart. In the fall transplant, setting plants 4 to 6 feet apart each way. When a blossom stalk appears it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed. Rhubarb seed like fruit trees seed cannot be relied upon to reproduce the same strains.

Victoria Rhubarb. Price, oz., 15c; pkt., 5c.

Rhubarb Roots. Price, each, by mail postpaid, 25c; \$1.50 per dozen by express at purchaser's expense.

HERBS

GROW YOUR OWN HERBS, and have your flavoring, seasonings and perfumes at hand in your garden.

ANISE. Pkt., 5c; oz., 20c. Sow in a permanent bed early in spring. Requires no particular care. Plants 14 inches high with finely divided stem leaves, resembling fennel. Used for garnishing and seasoning.

CARAWAY. Pkt., 5c; oz., 15c. Plants 12 to 24 inches high. Sow early in spring and thin out. The seeds are not produced until the second year.

CORIANDER. Pkt., 5c; oz., 15c. Sow early in spring. Plants 24 inches high. Seeds are used in confectionery.

DILL. Pkt., 5c; oz., 15c. Plants 24 inches high. Sow early in permanent beds and later thin out. The seeds are used as a condiment and for pickling.

FLORENCE FENNEL. Pkt., 5c; oz., 15c. Annual. Grown specially for the enlarged leaf stalks at base of stem. As soon as stem gets about 1½ inches thick they should be "earthed up." Used as a salad.

SWEET FENNEL. Pkt., 5c; oz., 15c. Sow in fall if seed is wanted early in spring for foliage. Used as a salad.

HOREHOUND. Pkt., 10c; oz., 45c. Sow in spring in permanent beds, later thin.

LAVENDER. Pkt., 10c; oz., 50c. Plant in spring in permanent beds, where it will grow for years.

MARJORAM. Pkt., 10c; oz., 50c. Sow in April, later thin. Leaves and shoots are used for seasoning.

SAGE. Pkt., 10c; oz., 50c. Sow either in spring or fall in permanent beds.

SUMMER SAVORY. Pkt., 10c; oz., 50c. Eight to 10 inches high. Sow early in spring in beds or start in hot bed.

THYME. Pkt., 10c; oz., 50c. Sow early in spring. Leaves and shoots used for seasoning while green or dried.

WINTER SAVORY. Pkt., 10c; oz., \$1.00

WORMWOOD. Pkt., 10c; oz., 50c. Four feet high. Sown in permanent beds and given protection during the winter will last for years. A medicinal herb beneficial for poultry and should be planted in every poultry yard.



Kohl Rabi

KEITH'S QUALITY FLOWER SEEDS



Ostrich Feathered Aster

All orders should include Flower seeds. Our plan of listing the varieties most called for and the best strains of these varieties, has gained for us the confidence of our customers.

ASTER Prices of all varieties: Oz, \$2.50; ¼ oz, 75c; Pkt, 10c.

Set of any five packets, your selection, 30c.

Leaflet "How to Grow Asters," mailed on request.

Victoria. Keith's Strain of Victoria Asters will give the best results in the home garden. Separate colors—white, pink, lavender, scarlet, blue, mixed colors.

Comet. Keith's Strain of Comet Aster is easy to raise, very double and a good bloomer. Separate colors—white, lavender, pink, crimson, blue, mixed colors.

Ostrich Feathered. Sturdy plants. Throws great show of beautiful flowers on long stems. Valuable for cutting. Separate colors—white, shell pink, mixed colors.

Dwarf Chrysanthemum Flowered. Grows ten to twelve inches high. Large Chrysanthemum-like flowers. White, mixed colors.

Simple's Branching. Large flowers. Very double, on long stems. A little later blooming than the Comet. Separate colors—white, rose, pink, crimson, lavender, mixed colors.

Single Asters. Separate colors—crimson, violet, pink.

AGERATUM. Blue Perfection. Price, pkt, 10c. Height, one foot. Easy to raise. Splendid with Geraniums, Candytuft or Alyssum.

ALYSSUM. Easy to raise from Spring sown seeds.

Carpet of Snow. Very dwarf, pure white. Price, oz, 50c; pkt, 5c.

Little Gem. Price, oz, 50c; Pkt, 5c.

ANTIRRHINUM or SNAPDRAGON

Prices of all varieties: ½ oz, \$1.00; Pkt, 10c.

Is grown in almost every garden. It rivals the Aster in popularity. Blooms profusely and continuously from July until frost.

Keith's Snapdragon. Separate colors—white, purple, lemon, pink, crimson, or mixed.

BALSAM. Camelia Flowered Double Mixed. Price, Pkt, 10c. Loves hot sun, rich soil and plenty of water. Plant in open ground in May.

CALENDULA or SCOTCH MARIGOLD. Price, pkt, 10c. Very easily grown. Fine for cut flowers all Summer long, and especially good late in the Fall. Orange, sulphur brown, mixed.

CALLIOPSIS. Choice Mixed. Price, pkt, 10c. Somewhat like a daisy in form. Plants one to two feet. Sow in open ground in Spring. Give the plants plenty of room.

CANARY BIRD CREEPER. Price, oz, 30c; pkt, 10c. A quick-growing annual climber.

CANDYTUFT. Price, oz, 50c; pkt, 10c. Empress white—Crimson—or Keith's mixed.

CARNATION. Marguerite. Price, pkt, 10c. If started indoors, will flower same season.

CENTAUREA. Blue Bottle, Ragged Sailor, Batchelor's Button, Corn Flower, Cyanus—Very hardy and simplest culture. Price, oz, 25c; pkt, 10c.

Moschatta, Sweet Sultan. Mixed colors. Oz, 25c; pkt, 10c.

CLARKIA. Carmine Rose, pkt, 10c. Sow out-of-doors in early Spring and grow in partial shade.

COBAEA SCANDENS. Price, pkt, 10c. A rapid climber, with large purple bell-shaped flowers.

COCKSCOMB. Dwarf Mixed. Pkt, 10c. Free blooming annuals, growing best in light soil, not too rich.

CONVOLVULUS MAJOR (Morning Glory.) Finest Mixed. Price, pkt, 10c; oz, 15c; ¼ lb, 30c. One of the best free flowering and rapid growing climbers. Suitable for growing on arbors, fences, trellis, etc.

COSMOS. Extra Early Flowering. Price, pkt, 10c; oz, \$1.50. Separate colors—white, pink, crimson, or mixed. Strong, tall-growing annual. Best to start seeds inside. If topped when half grown, they will bloom more quickly. Sandy or poor soil in sunny situation is best. Under good care will bloom in July and continue to late Autumn.

CORN FLOWER. (See Centaurea Cyanus.)

CYPRESS VINE (Ipomoea Quamoclit.) Mixed. Price, pkt, 10c. Of all climbers, this is the quickest and most luxuriant in growth. For early bloom start inside.

DAHLIA. Double Mixed, pkt, 10c; Cactus Mixed, pkt, 10c. Dahlias can be grown easily from seed so as to produce flowers the first year. For best results sow early in March in shallow pans.

DIANTHUS or PINK. New Hybrids. All shades mixed. Pkt, 10c.

Chinensis. Mixed. Pkt, 10c.

Blooms first year, and if covered during Winter will bloom next year also. Old plants flower earliest. New plants finest flowers. Plant early indoors, transplant twelve inches apart each way. Transplanting when sown in the open is not recommended.

ESCHSCHOLTZIA (California Poppy.) Mixed, Pkt, 10c; oz, 25c.

An annual, exceedingly easy to grow. We plant early in Spring, broadcast, in as large a bed as possible. The plants are about one foot high. Bloom comes in a great variety of shades. Starts to bloom early and continues all through the Summer. It is as charming an annual as one could wish for.



Marguerite Carnation

MARIGOLDS

MIGNONETTE

FOUR O'CLOCK

(See Marvel of Peru)



Cosmos (See page 25)

GYPSOPHILA (Baby's Breath). White. Pkt, 10c. This pleasing flower should be in every garden. The flowers are small, star-like and borne in feathery sprays.

GOURDS. Mixed Varieties. Pkt, 10c. Of rapid growth, with curious fruits and ornamental foliage. Cultivate same as melons.

HELIOTROPE. Finest Mixed. Pkt, 10c. A universal favorite on account of its delightful fragrance.

HOLLYHOCK (Everblooming Annual). Choice Mixed. Pkt, 10c. The plants are vigorous in growth and naturally branching in habit, and if given good treatment will thrive luxuriantly. (See also page 29.)

HUMULUS JAPONICUS. Pkt, 10c. One of the most rapid Annual Climbers growing 15 to 20 feet.

IPOMOEA. Bona Nox. Large Blue. Pkt, 10c. Quick growing Climbers. Unsurpassed for covering trellises or fences.

KOCHIA (Summer Cypress). Pkt, 10c. A splendid ornamental annual, growing two to two and one-half feet high. The slender-leaved plants are of a cypress-like appearance during Summer. Forms decorative bushes on the lawn.

LARKSPUR. Mixed Colors. Pkt, 10c. Treat as a hardy annual. Rather cool soil is preferable. Plant early in the Spring. Height, three to four feet. This is easily raised and is a splendid annual—gives any quantity of bloom all summer.

LOBELIA. Mixed. Pkt, 10c. Blooms very quickly from seed and continue gay with flowers all through the season. Sow early where the plants are to grow and thin moderately.

LUPINUS. Annual Varieties. Mixed. Pkt, 10c. Among our most useful ornamental flowering plants. Seed may be sown in the open border during April and May.



Nicotiana (See page 27)



Calliopsis or Coreopsis (See page 25 and 29)

MORNING GLORY. (See Convolvulus, also Ipomoea.)

MARIGOLD. Prince of Orange, African. Pkt, 10c.

Lemon Queen, African. Pkt, 10c.

Finest Mixed, French. Pkt, 10c.

Calendula or Scotch Marigold. Orange Sulphur Brown. Mixed. Pkt, 10c.

Average height, one to two feet. Hardy annuals. We have very fine strains.

MARVEL OF PERU (Four O'Clock). Mixed. Pkt, 10c; oz, 35c. Flowers August and September. Hardy Annual. Bloom variegated. Sweet scented. One to two feet.

MIGNONETTE. Bismark. An improved selection of Machet. Large golden yellow spikes. Pkt, 10c; oz, 50c.

Machet. Strong, bold flowers. Pkt, 10c; oz, 30c.

Giant Pyramidal. One to one and one-half feet. Large flowers. Pkt, 10c; oz, 30c. Successive sowings are recommended. Sow at any time, starting indoors.



Hollyhock
See page 26

Keith's Choice Petunias

NIGELLA (Love-in-a-mist). Mixed Colors. Pkt, 10c. A compact, free flowering plant, with finely-cut foliage, 18 inches high.

NASTURTIIUM.

Keith's Special Mixture Dwarf Nasturtiums. Oz. pkt, 25c; lb, \$2.00.

Keith's Special Mixture Tall or Climbing Nasturtiums. Oz. Pkt, 20c; lb, \$1.75.

No other flower will give you as much bloom for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in the thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate. If your ground is rich, give each plant plenty of room. We have the best stock that can be got, no matter what is said or what price is asked by others.

NICOTIANA. Affinis. Pure White. Pkt, 10c. Sanderae Hybrids. Mixed Colors. Pkt, 10c. Very fragrant. Half Hardy Annual. Large flowers. Plant grows to three feet.

POPPY. Annual Varieties. Pæony. Flowered Double Mixed. Pkt, 10c; oz, 35c. Shirley. Single, indescribably bright, dainty and gauzy. A favorite for cutting. Pkt, 10c; oz, 35c. Carnation. Flowered Double Mixed. Very double fringed. Pkt, 10c; oz, 35c. Single Flowered Mixed. Pkt, 10c; oz, 35c.

Sandy loam suits Poppies best, and as their strong tap roots are difficult to transplant, it is well to sow seed where the plants are to bloom. The best plants are those grown from early sowings, while the earth is cool and moist. Start early in the Spring and plant at intervals. All are easily cultivated and greatly admired. Average height, one foot.

PORTULACA. Improved Single Mixed. Pkt, 10c; oz, 50c. Improved Double Mixed, Pkt, 20c.

PINKS. (See Dianthus.)

PANSY.

Trimardeau Giant Lord Beaconsfield. Lavender and purple. Pkt, 10c; ½ oz, \$1.00. Peacock. Large peacock blue, edged with white. Pkt, 10c; ½ oz, \$1.00. Dr. Faust. Black. Pkt, 10c; ½ oz, \$1.00. Keith's Best Mixture. All Colors. Pkt, 10c; ½ oz, 75c. Good Mixture. Pkt, 10c; ½ oz, 50c.

Seed, if sown in February in a gentle heat, will produce plants ready to prick off in a cold frame in April, and to plant out in May. These will bloom well in August and September of the same year.

PETUNIAS. Keith's Choice Single Striped and Blotched. Very fine. Pkt, 25c.

Keith's Large Flowering Single Mixed. Pkt, 15c.

Keith's Fine Mixed. Pkt, 10c; ½ oz, 50c.

Sow indoors or in the open very early in the Spring. Be careful to cover seeds lightly, for if sown too deep they will not grow. Once fairly started, Petunias grow almost as easily as weeds, and furnish wonderful bloom from early Summer until frost.

PHLOX DRUMMONDI (Flame Flower.) Grandiflora Choice Mixed. Pkt, 10c.

Average height, one foot. Hardy annual. Few flowers are so easy to grow from seed. First sowings should be made as soon as frost is out of the ground in the Spring. Later sowings in May. Transplants readily.



Keith's Choice Dwarf Nasturtiums

SWEET PEAS - ZINNIAS - SUNFLOWERS - VERBENA



Sweet Peas

Select a sunny open place several feet from any building or close fence, and as far as possible from large trees.

Sow as early in the Spring as possible.

Keith's Best Mixture Pansy



Keith's
Choice
Sweet
Peas

SPENCER VARIETIES (Sweet Peas)

Price, lb, \$2.50; $\frac{1}{2}$ lb, \$1.00; oz, 25c; pkt, 10c.

Separate Colors—Crimson, Primrose, Rich Maroon, Lavender, Rose Pink, White, or the above colors mixed.

RICINUS. (Castor Oil Plant). Mixed. Pkt, 18c; oz, 30c. A tall growing, branching plant. Foliage glistening green and bronze. Eight to ten feet high.

SALPIGLOSSIS—Emperor. Mixed. Pkt, 10c; oz, \$1.00. Hardy annual. They are easily grown, require a light, rich, sandy loam, and will respond to liberal treatment. Bloom August to frost.

SALVIA—(Scarlet Sage)

Splendens. Brilliant Scarlet. Good bedding plants. Earliest to bloom. Pkt, 10c.

Fireball. Very dwarf. Two feet. Pkt, 10c. Sow seed indoors in March or April and set plants out of doors latter part of May. The plants grow and bloom profusely in any light, rich soil from August to frost.

SCABIOSA—(Mourning Bride) Dwarf

Mixed. Pkt, 10c. Two feet high.

Commence to flower early in July.

Splendid for cutting. Sow seed outdoors when frost is past.

SCARLET RUNNER BEAN. Pkt, 10c;

$\frac{1}{2}$ lb, 50c; lb, 60c.

SNAPDRAGON (See Antirrhinum).

SUMMER CYPRESS (See Kochia).

SUNFLOWER—Stella (Cucur-erifolius).

Handsome, single, large flowers. Primrose Yellow. Four feet. Pkt, 10c; oz, 50c.

Henry Wilde. Tall, small-flowered, graceful, single. Pkt, 10c; oz, 50c.

Double, Dark Yellow. Two to five feet. Pkt, 10c; oz, 35c.

Sutton's New Red. Pkt, 10c.

SWEET SULTAN—(See Centaurea Moschata).



Verbena Hybrids

VERBENA HYBRIDS. Keith's

Selected. Separate Colors—Scarlet, Blue, pure White, or Choice Mixed. Pkt, 10c; oz, \$1.00.

ZINNIA ELEGANS. Double

White, Double Crimson, Double Purple. Separate colors. Pkt, 10c.

Double Mixed. Pkt, 10c; oz, 50c.



Shirley Poppy

KEITH'S HARDY PERENNIAL FLOWER SEEDS



Aquilegia (Columbine)

AQUILEGIA (Columbine). Long Spurred Choice Mixed. Pkt, 10c. No hardy perennial grown from seed is more easily handled than the Columbine.

ARABIS (Rock Cress). Alpina. Pure White. Pkt, 10c. One of the earliest and prettiest of Spring flowers. Unequalled for rockeries or edging. Height 6 inches.

CARNATION. Border Varieties. Choice Double Mixed. Pkt, 10c. General favorites on account of the rich colors and profusion of bloom.

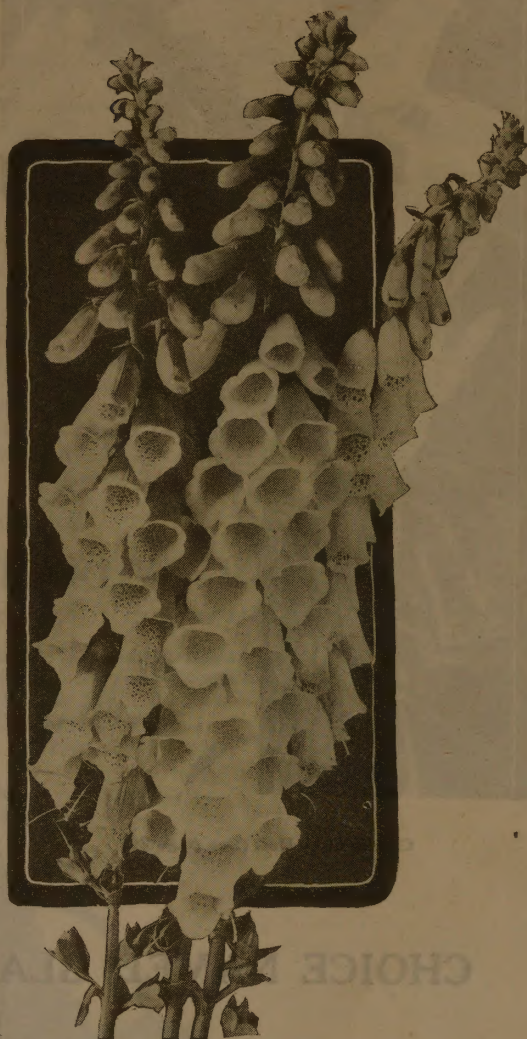
COREOPSIS. Lanceolata Grandiflora. Pkt, 10c. A hardy perennial growing about two feet, producing bright yellow flowers in great profusion. Valuable as a cut flower.

DIGITALIS (Foxglove). Choice Mixed. Pkt, 10c. Well-known biennial growing three to four feet high, with long spikes of tube-like flowers.

CANTERBURY BELLS. Biennial. Separate Colors—Single Rose, Blue, White, or Mixed. Pkt, 10c. They are as easily raised as Pansies. Will Bloom first year from seed if sown early.

DELPHINUM. Formosum. Dark Blue. Pkt, 10c. Light Blue, Pkt, 10c. These graceful, easily grown perennials are worthy of a prominent place in every hardy plant border.

FORGET-ME-NOT (Myosotis). Blue. Pkt, 10c. Half hardy perennial. Will flower the first year if sown early. Does best in a moist, shady spot.



Foxglove

GAILLARDIA. Choice Exhibition Strain. Pkt, 25c; Hybrida Grandiflora, pkt, 10c. Remarkable for the profusion, size and brilliancy of their flowers. Excellent for cutting.

GEUM. Coccineum Atrosanguineum. Pkt, 10c. A beautiful hardy perennial, bearing showy, double dark crimson flowers. An elegant flower for bouquets.

GYPSOPHILA. Paniculata. Baby's Breath. Pkt, 10c. White and feathery, good for cutting.

HOLLYHOCKS. Chater's Prize Mixed. Pkt, 10c. Hollyhocks are among the best of the old garden favorites. For forming a background for other plants, it has no equal.

LYCHNIS (Rose Campion). Chalcedonica Scarlet. Pkt, 10c. Handsome, hardy perennials of easy culture. Will bloom the first year if sown early.

ICELAND POPPIES (Papaver Nudicaule). Extra Fine Mixed. Pkt, 10c. These are somewhat like the annual "Shirley", but have a larger range of colors.

PYRETHRUM. Hybridum. Mixed. Pkt, 10c. Hardy perennial, bearing large daisy like flowers, ranging in color from white to deep red. One of the most graceful and long lasting cut flowers.

PERENNIAL PHLOX (Phlox Decussata). Choice Mixed. Pkt, 10c. The variety of colors and the long continuance of its flowers make this a universal favorite. The seed is very slow and erratic in germinating.

SWEET WILLIAM. Pink Beauty. Pkt, 10c.
Single Mixed. Pkt, 10c.
Double Mixed. Pkt, 10c.

Hardy, old-fashioned flowers of easy culture. Will succeed in any good garden soil.



Pyrethrum



Canterbury Bell (See page 29)

KEITH'S SUMMER FLOWERING BULBS

Orders will be sent
out about April 1st



Keith's Extra Choice Mixed Gladioli

CHOICE NAMED GLADIOLI

	Postpaid Prices		
	each	doz.	per 100
America. Flesh Pink.....	\$0 15	\$1 25	\$7 00
Baron Joseph Hulot. Blue.....	15	1 25	7 00
Glory of Holland. White and rose.....	15	1 25	7 00
Halley. Salmon pink creamy blotched.....	15	1 25	7 00
Lady Borden. Pink and white.....	25	2 50	
Lily Lehman. Pure white.....	15	1 25	7 00
Loveliness. Cream shaded pink.....	15	1 25	7 00
Mrs. Francis King. Light scarlet.....	15	1 25	7 00
Niagara. Creamy white.....	15	1 25	7 00
Peace. A lovely white.....	10	1 00	6 00
Pendleton Junr. Salmon pink.....	15	1 25	7 00
Princeps. Scarlet, white markings.....	15	1 25	7 00
Red Emperor. Large scarlet.....	20	2 00	10 00
Schwaben. Pale yellow.....	15	1 25	7 00
Childsii Mixture.....		75	4 00
Keith's Best Mixture As valuable to most gardeners as the named varieties.....		60	3 75
Good Mixture A very satisfactory mixture of strong, flowering bulbs.....		40	2 50

DAHLIAS

PAEONY FLOWER VARIETIES

Chatney. Soft Carmine, Rose and Shaded Crimson.

CACTUS VARIETIES

Amos Perry. Scarlet.
Countess of Lonsdale. Amber.
Kalif. Enormous Flower. Light Scarlet.
Kangaroo. Red
White Lady. White

DECORATIVE VARIETIES

Bystein. Best Bronze.
Delice. Pure Pink. One of the best.
Duchess of Brunswick. Red with Apricot.

DECORATIVE VARIETIES, DAHLIAS—Continued

Princess Juliana. Pure White. Extra good.
Ansonia. Purplish Maroon.
Saur de Gustave. Between Orange and Red.
Conquest. Clearest Red.
La Grand Manitou. Purple and White.
Mrs. Cassell. Pink.
Yellow Colosse. Yellow.
F. R. Baldwin. Silvery Buff.

SINGLE VARIETIES

Century. Rose Pink.
Firefly. Red.

POM POM VARIETIES

Venus. White.
Dot. Pink.

PRICES OF DAHLIAS.—Any of the above varieties 30c. each, postpaid, or 25c. each, buyer paying express.

BEGONIAS (Tuberous Rooted)

For bedding plant out in May, 1 inch deep. Keep well watered always. A shady spot is best suited. For pots start anytime.

GIANT SINGLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 10c. each; \$1.00 per doz.

GIANT DOUBLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 15c. each; \$1.50 per doz.

FRILLED VARIETIES. Mixed Colors

Price, 20c. each; \$2.00 per doz.

LILIUMS

Lilium Aratum. 25c. each.
Speciosum Rubrum. 25c. each.
Speciosum Album. 25c. each.
Tigrinum. 15c. each; \$1.25 per doz.

HARDY PERENNIAL PLANTS

Express.—We recommend customers to order their plants by express, as the stock we send is larger and is shipped so as to protect the roots carefully.

We offer two-year-old plants, grown, cared for and packed by experts. Prices, 30c each; \$3.00 per dozen.

Aquilegia. (Columbine). Long spurred varieties.

Aster. Michaelmas Daisy. 4 to 5 feet.

Bleeding Heart. Three feet.

Canterbury Bells. Separate colors, rose, blue and white. 2 to 3 feet.

Coreopsis. Most satisfactory golden daisy. 2 feet. Blooms June to October.

Delphinium. (Larkspur). Mixed.

Dianthus (Sweet William). Separate colors, white, dark red, pink.

Digitalis (Fox Glove). Improved.

Gaillardia. Very satisfactory perennial, 2 feet. June to October.

Gypsophila. Baby's Breath.

Lychnis Chalcedonica. Scarlet, 3 feet. Very desirable.

Helenium. In variety. August to October.

Hollyhock. Double and single. 6 feet.

Iris. Separate colors, blue, yellow and white.

Pæonies. Separate colors, pink, white and red. Double.

Phlox. Separate colors, rose, pink, white.

Physostegia Virginiana (False Dragon Head). 3 feet. July to September. Rose flowers.

Rudbeckia Newmanni. Large yellow daisy-like flower. 4 feet.

Tritoma Uvaria (Red Hot Poker). 3 feet. August to October.

Veronica Spicata. 1½ feet. June to September. Light blue flowers. Sometimes known as Day Lily.

HARDY ROSES

75c. each. (Two-year-old plants.)

H.P. Baby Rambler. (State color wanted).

Rambler Varieties (or climbing).

Hybrid Tea Roses. (State color wanted).

HARDY FLOWERING SHRUBS

60c. each. By express only. Plants 2 to 3 feet.

Abbreviations: (L) large. (M) medium. (S) small.

Barberry. Japanese (M), Common (L), Purple leaved (M), Holly leaved.

Butterfly Bush. Color mauve. Blooms all summer.

Deutzia. Crenata Plena (L). White flowers in June. Pride of Rochester (L). White, tinged pink

European Elder. Cut-leaved Elder (L). Very handsome, of drooping habit. Golden Elder (M), bright golden foliage.

Forsythia. Fortune's Golden Bell (M). Early yellow, bloom before foliage.

Hydrangea. Hills of Snow. Large white blooms coming in June and lasting till end of August. **Paniculata Grandiflora (L):** large blooms, white turning to pink. August to September.

Honeysuckle. White (L). Rose (L).

Japan Quince. (M). Early in spring covered with scarlet flowers.

Japan Plum. (M). Sinensis. Very double white rose-like flowers. Very early in spring.

Lilac. Named varieties. White, rose, purple, violet. State color.

Spiræa. Van Houttei (L). White bloom. One of the most satisfactory shrubs. **Douglasi (M).** Blooms in July, pink.

Snowball (L).

Weigelia. White, pink, red.

HARDY VINES

60c. each. (Two-year-old plants)

Ampelopsis Engelmanni. Somewhat similar to Virginia Creeper.

Ampelopsis Quinquefolia. Virginia Creeper.

Ampelopsis Veitchi (Boston Ivy).

Aristolochia Siphon (Dutchman's Pipe).

Clematis Paniculata. White.

Clematis. Purple.

Lonicera (Honeysuckle). In variety.

Wistaria Sinensis. Purple.



STRAWBERRIES

Orders sent out after April 15th

Prices all varieties Strawberries listed herewith, \$15.00 per 1000; \$1.75 per 100; carriage charges extra. Postpaid—\$2.25 per 100; 45c. per doz.

Westney. Early variety. This is a cross between the Williams and Glen Mary. The plant is ideal in growth with large dark green foliage. Berries run larger than most varieties, and ripen early. We recommend this variety.

Brandywine. Late variety. A well-known late variety of excellent quality. Makes a moderate number of large healthy plants. For home garden and canning purposes it is hard to beat.

Williams. Mid-season variety. As a commercial berry it is hard to find an equal. A great cropper and splendid shipper. The white tip on the end of this berry disappears when fully ripe.

Glen Mary. Late variety. This great berry is termed by the Ottawa Experimental Station as one of the most popular commercial varieties. Its plant growth protects the berries well. Berries are large, firm, juicy, and of good quality. In some sections of Ontario this variety is planted almost exclusively.

William Belt. Mid-season variety. This variety has been considered the standard of quality for years. Makes a fair stock of healthy plants, which bear a heavy crop. The berries are large in size and somewhat irregular in shape.

RED RASPBERRIES

Cuthbert. (Queen of the Market). Price, per 100, \$7.50; carriage charges extra. Postpaid—dozen, \$1.50. The best known of all red raspberries, and also the most popular. A strong grower, producing a good crop of firm berries, which makes it a splendid shipping variety. Hardly hardy enough for the extreme northern sections of New Ontario.

CURRANTS—GOOSEBERRIES—GRAPES

We recommend customers to order their plants by express.

Currants, Black, 30c. each.

Currants, Red, 30c. each.

Gooseberries. Downing (green), Houghton (red), 40c. each.

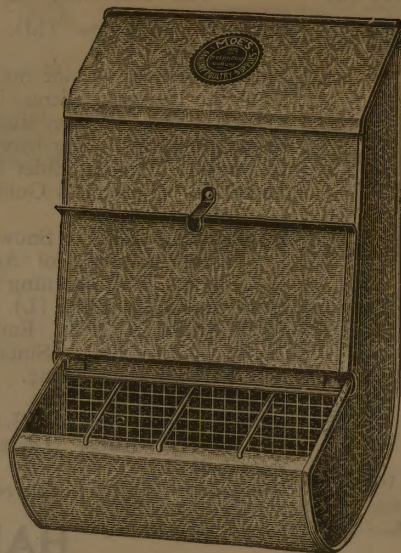
Grape Vines. Niagara, (white), 40c. each; Worden (black) 40c. each.

POULTRY SUPPLIES

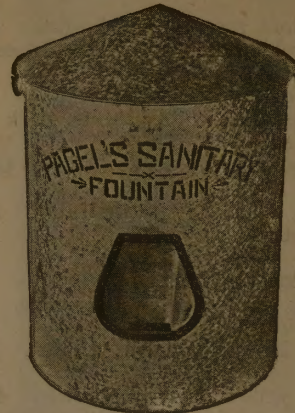
Healthy Poultry Require Fresh Clean Water



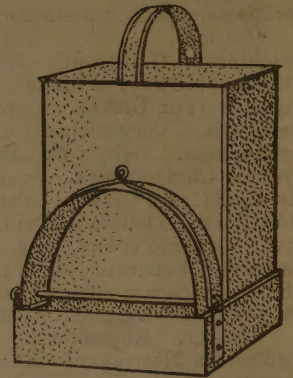
No. 1, 85c



No. 10, \$1.50 each



No. 3, \$4.50 and \$5.00



No. 4, \$1.90

No. 1.—KEITH'S DRINK FOUNT FOR POULTRY. This fount meets the wants of the most particular poultryman. It is so designed that you will see by the cut that the water is kept clean. It can be hung off the ground. The birds can drink without knocking their combs. It can be cleaned out easily. Holds one gallon of water. Price, each, 85c.

No. 2.—THE KEITH CHICK FOUNT. Exactly the same as the "Keith" Fount, only made small in order to be used in brooders. Holds a little more than a pint. Price, each, 60c.

No. 3.—PAGEL'S SANITARY NON-FREEZING FOUNTAIN. This is the best constructed fount we have ever seen. The simplest, handiest and most practical fountain made. Has no lamps to trim and no valves to get out of order. Saves time, labor and worry, and costs nothing to run. It is made of heavy galvanized iron, and is similar in construction to the fireless cooker, being packed with a non-conducting material to retain the temperature of the water. The drinking cup, which contains the only water exposed, forms a connection between the outer and the inner can, and as it does not project beyond the outer can, there is no possible chance for droppings, the cause of so much disease, to get into the water. During extremely cold weather it is best to fill the fountain in the evening with hot water. This will gradually cool in the night and heat the packing, which in turn will keep the water warm when but a little is left in the fountain. In summer fill with cold water and it will stay cool all day. One filling a day is all that is necessary. Price, 2 gallon, \$4.50; 3 gallon size, \$5.00.

No. 4.—KEITH'S DROP BOTTOM FOUNT. Similar to our No. 1 Fount, but has the added advantage of being more easily cleaned. Can be hung up out of the dirt and litter. Holds a little over one gallon. Price, each, \$1.90.

No. 5.—KEITH'S DRY FEED BOX. Two compartments, holds about a peck. Price, each, \$1.00.

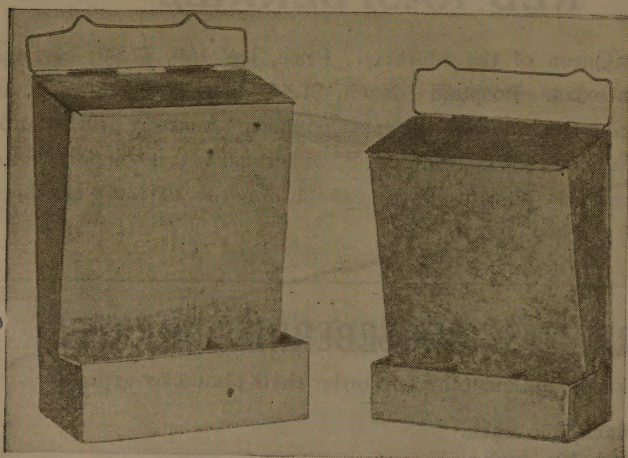
No. 6.—KEITH'S GRIT AND SHELL BOX. It is made of galvanized iron and divided into three compartments. This box soon pays for itself in the saving of grit and shell. Every pen should have one of these hanging on the wall. Each division holds over one pint or a gallon in all. Price, each, 85c.

No. 7.—THE NORWICH AUTOMATIC DRY MASH HOPPER. Holds 20 quarts. No clogging. Operated with automatic vibration rods. No waste. Price, each, \$6.50.

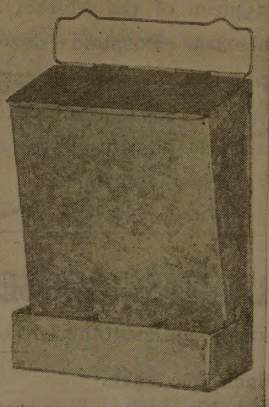
No. 8.—THE APACO POULTRY GRAIN FEEDER. A hanging machine, adjustable regulating valve. The feeder is operated by the birds rotating the bait bar, and the grain rattles down the deflector, is scattered on the floor or in the litter in a wide even circle, and the birds kept constantly at work and in motion when feeding. Capacity 9 quarts. Shipping weight, 5 lbs. Price, ea, \$3.25.

No. 9.—BOSTON FEED HOPPERS. Made of galvanized iron with swinging grid which follows grain automatically preventing fowls from wasting the mash. Large size, \$1.50 ea. Small size, \$1.25 ea.

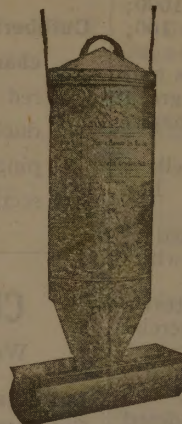
No. 10.—MOE'S WASTE PROOF HOPPER. Does away with feed clogging. 12 quart capacity. Rat proof. Waste proof. No. 85, price, 8 quart size, \$1.50.



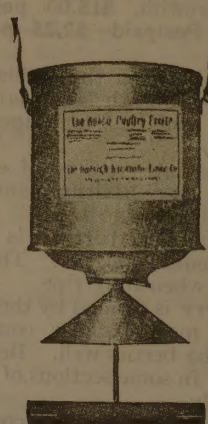
No. 5, \$1.00



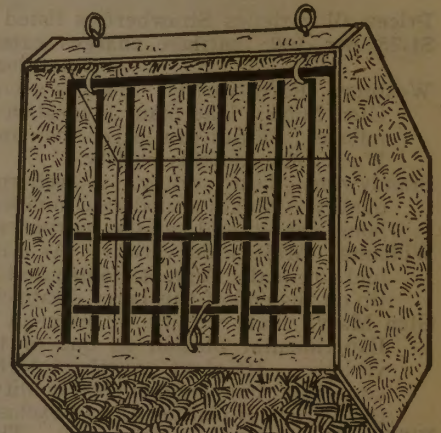
No. 6, 85c



No. 7, \$6.50



No. 8, \$3.25



No. 9, \$1.25 and \$1.50

See Page 40 for hatching eggs.

See Keith's box for shipping egg settings
Page 34.

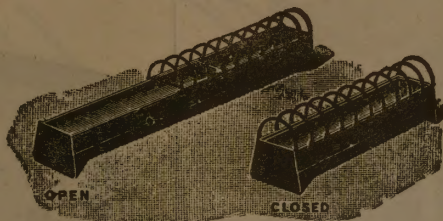
FEED DEVICES AND THERMOMETERS



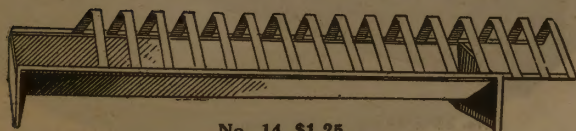
No. 11, \$2 and \$2.50



No. 12, 25c and 40c



No. 13, 50 and 75c



No. 14, \$1.25



No. 16, 25c



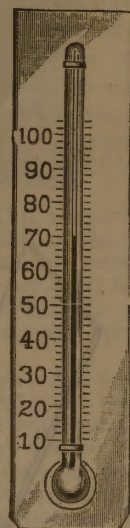
No. 19, 50c



No. 17, 90c



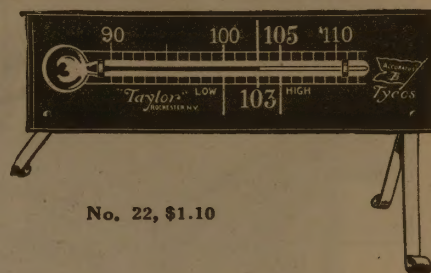
No. 18, \$3.00



No. 20, 65c



No. 21, \$1.00



No. 22, \$1.10

No. 11.—BAR-NUN DRY MASH HOPPER. Just the hopper you have been looking for. It is inaccessible to rats or mice, yet easily accessible to poultry at all times. By its use, a constant supply of fresh, clean feed is always kept before them. Used suspended by a spiral spring (furnished with hopper), clogging or packing of feed is prevented. The mash feeds down automatically as the poultry pick it away from the trough. Poultry cannot perch on it or scratch mash out of it. Simply hang the hopper so that the birds have to reach up to pick out of the trough; this gives a clear floor-space and prevents them from picking over the mash. 16 quart size price, \$2.50 each. 10 quart size price, \$2.00 each.

No. 12.—MOE'S ROUND BABY CHICK FEEDER. The most convenient little feeder imaginable. Can also be used for water. 6½ inches diameter, price, 25c; 9 inches diameter, price, 40c.

No. 13.—KEITH'S CHICK FEED TROUGH. This trough is so constructed that the chicks cannot turn it over and they cannot get on the feed with their feet to scratch it or get it dirty. It is constructed throughout of zinc, very neatly made, will never rust. We carry two sizes: No. 1, 9 inches long, 2½ inches wide, price, each, 50c; No. 2, 12 inches long, 4 inches wide, price, each, 75c. If ordered by mail, add 20c for postage.

No. 14.—KEITH'S HOPPER FOR MASH. Made of heavy galvanized iron, 27 inches long by 7 inches wide. Top slides off making it easily cleaned. Price, each, \$1.25.

No. 15.—RABBIT FEEDER. Made of heavy crockery, not easily broken. Price, each, 35c.

No. 16.—FEED OR WATER CUPS. For use on exhibition coops. Holds about a pint. Price, each, 25c.

No. 17.—PIGEON TROUGH. Fanciers will find this a very useful addition to their equipment. Keeps feed or water sweet and clean. Size: diameter, 7½ inches, height, 12 inches. Price, each, 90c.

No. 18.—BINGO EGG DATER. Poultry fanciers will find this article very useful for dating setting eggs. They can also create a demand for first-class table eggs that will net them a greater profit by the use of this stamp. Price, complete, \$3.00.

No. 19.—SCRAPER AND CLEANER. Made of one piece galvanized iron. No wood handle to get loose and come off. Just the thing to get in the corners when cleaning. 15 inches long. Price, each, 50c.

THERMOMETERS

All Thermometers we offer bear the sterling mark of "Tycos" made by the Taylor Instrument Co. We know that they are thoroughly reliable; we test each one before sending it out.

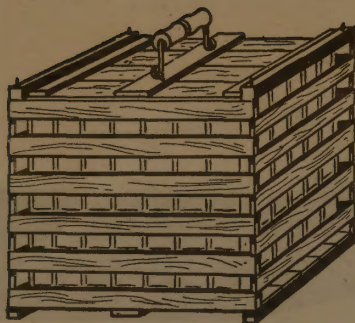
No. 20.—A Brooder Thermometer, with 5 inch silvered brass scale, black filled figures and graduations. Price, 65c. each.

No. 21.—INCUBATOR STYLE. Has flange on upper edge, turned over so as to hook on wire or metal strip. You can rely on this; nothing better made. Price, \$1.00, postpaid.

No. 22.—Same as above, but has brass adjustable legs. Price, \$1.10, postpaid.

BROODER THERMOMETER. Round wood frame, white figures. 10 inches long. Price, 85c.

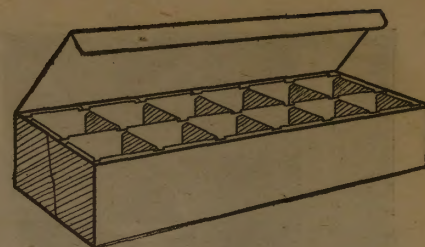
POULTRY SUPPLIES—EGG CARRIERS



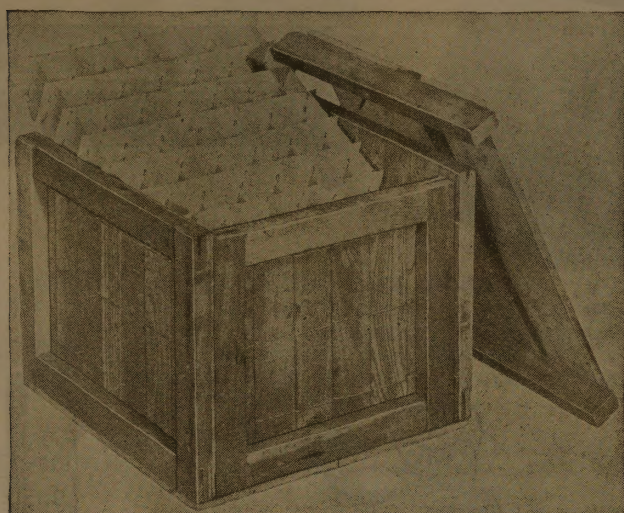
No. 23, 75c.



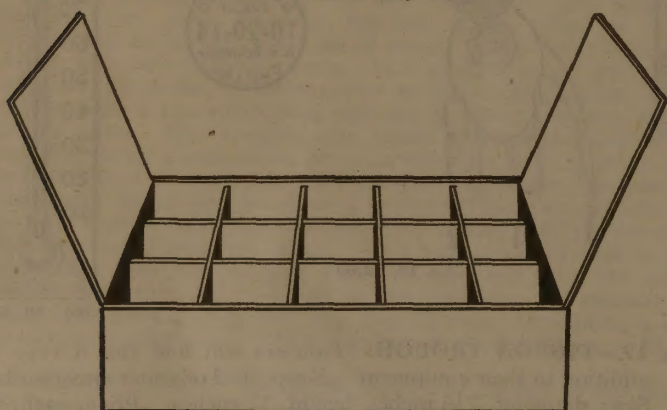
No. 25—Folded



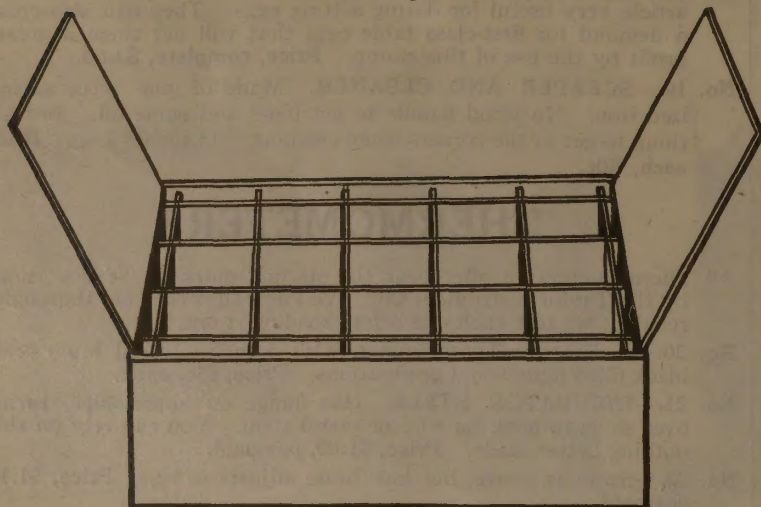
No. 27



No. 24 90c.



No. 25—Open



No. 26—Open



No. 25 or 26 ready for shipment

No. 23.—BLUE BIRD EGG CRATE. Strong but light in weight. Holds 12 dozen eggs. Price, complete with fillers, each, 75c.

No. 24.—KEITH'S 12 DOZEN EGG CRATE. Strongest crate made. Will last a lifetime. Price complete with fillers, 90c. each.

FILLERS for egg crates, standard size. Price, per set of 10 racks and 8 flats, 30c.

No. 25.—THE KEITH EGG BOX. For shipment this egg box is folded flat, put up in bundles of 12 and 25. As a carrier it gives absolute security to the contents. Constructed of corrugated paper has double walls throughout. To protect the eggs from pilfering, you will notice there is a seal. This is made by the wire handle, and a strong printed address tape. Also to insure safety by express, the wire handle is made so that no parcel can be set on top of the box. We have made a test of all egg shipping boxes and we feel confident that there is nothing better made. Egg Cells 2"x2"x3". Box holds 15 eggs. Price, including seals and handles, 25c. each; \$2.00 per doz; \$16.00 per 100. Price with seals and without handles, 25c. each; \$1.90 per doz; \$15.00 per 100.

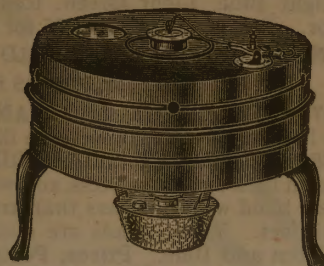
No. 26.—Is the latest development of this box. It is considerably larger than 25, for the reason that it contains a cushion just inside the walls in the form of a half inch extra space. See illustration. Egg cells 2"x2"x4". This is a good box for duck eggs. Price, including seals, 30c. each; \$3.00 per dozen; \$22.00 per 100.

No. 27.—CARTON—to hold one dozen eggs. These cartons will fit into an ordinary egg crate, thus making a very convenient and attractive package. Price, 100 to 400 lots, \$2.75 per 100; 500 to 1000 lots, \$2.50 per 100. Smaller lots at 50c. per doz.

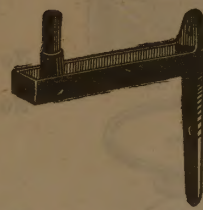
Incubators - Roost Supports - Chicken Coops - Grain Sprouters - Remedies



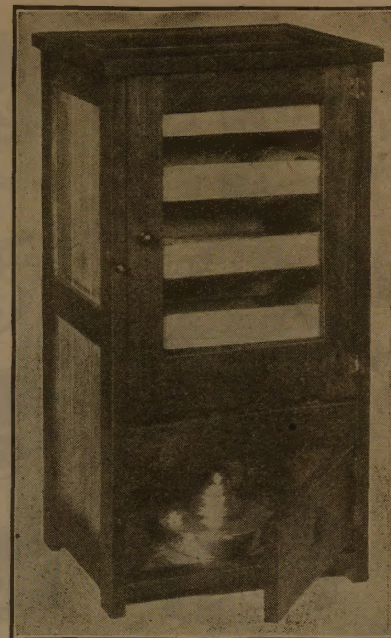
No. 28



No. 30, \$10.00



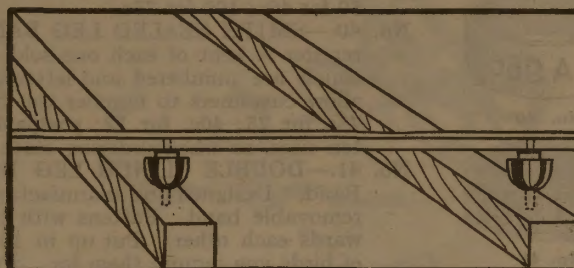
No. 32, 50c a pair



No. 35



No. 29, 8.50



No. 33, 50c a pair



No. 31, 25c each

No. 31.—PETTEY'S POULTRY PUNCH. The best and least expensive punch on the market with which to mark your little chicks. Simple in construction and very effective. 25c. each.



No. 34, \$5.00

DANIELS MODEL HOT WATER INCUBATORS

No. 28.—INCUBATORS. The two most important factors pertaining to successful incubation are the proper ventilation of the incubator and the furnishing of the proper amount of moisture necessary to the welfare of the chick in the shell.

The Daniels circulating Hot Water System overcomes both problems in a manner that renders possible the hatching of every fertile egg, without necessitating the opening or closing of troublesome draughts or slides.

These machines have been on the market for a quarter of a Century and are thoroughly reliable.

No. 0.B., Capacity 65 eggs, Price \$16.00

No. 1.B., " 120 " " \$28.00

No. 2.B., " 250 " " \$45.00

No. 29.—CYCLE HATCHER. A Twentieth Century Wonder. Holds 50 eggs. Constructed entirely of metal, except insulation. Is self-regulating, requires no supplied moisture and will last a lifetime. Shipping weight, well boxed, 20 lbs. Price, of 50-Egg Incubator, complete ready for operation, f.o.b., Toronto, \$8.50.

No. 30.—BABY GRAND INCUBATOR. Just the thing for the small fancier. It is simple in construction, easy to operate and is self regulating. Has double top well insulated and packed double side walls with a free circulation of hot air between the walls all the time, making an equal distribution of heat through the machine at all times. The ventilation is perfect, supplying warm fresh air to all parts of egg chamber. Holds 50 eggs. Price, \$10.00.

No. 32.—VERMIN PROOF PERCH OR ROOST SUPPORT. This is a heavy iron bracket cast in one piece and when screwed to the

wall will support a heavy roost filled with fowls. This support is made with a cup to hold a supply of disinfectant, and as the pin holding the roost prevents it from touching the cup, all vermin is prevented from getting upon the roost. Price, per pair, 50c.

No. 33.—VERMIN PROOF PERCH OR ROOST SUPPORT. An iron cup to hold disinfectant, with centre pin to support roost. Price, per pair, 35c.

No. 34.—THE "WRICO" CHICK COOP (Open). This coop is made of heavy galvanized iron throughout. The top and sides being all in one piece, it is absolutely water-tight. The wire covered run is made to slide back into the coop at night so nothing can harm the chicks. By opening the small round door in front you can give the chicks practically free range while still keeping the hen confined. The front and bottom are easily removed for cleaning. Price, each \$5.00.

No. 35.—DOUBLE QUICK GRAIN SPROUTER. The high prices of feed have compelled poultrymen to secure from their flocks the very highest results, not only in egg production, but in quick chick growth. The Grain Sprouter comes in and not only aids in getting results not heretofore obtainable, but in also providing a feed whose cheapness greatly reduces the total cost, some estimating the reduction one-half or more. Burns coal oil.

Prices

No. 2, for 50 to 75 hens, 1-3 bush. or more dry grain, 12 to 14 qts, \$12.00.

No. 3, for 100 to 150 hens, ¾ bus. or more dry grain, 24 to 28 qts., \$17.00

No. 4, for 200 to 300 hens, 1½ bush. or more dry grain, 48 to 56 qts. \$20.00.

REMEDIES

Roup Cure, Royal Purple. Price, 30c. postpaid.

Roup Cure, Pratt's. Price, 35c. and 70c. postpaid.

Roup Cure, Pratt's Roup Pills. Price, 35c. and 70c. postpaid.

Pratt's Diarrhoea Cure. Price, 30c. postpaid.

Pratt's Condition Tablets. Price, 35c. and 70c. per box, postpaid.

Scaly Leg Ointment. Price, 3 oz. tin, 35c. postpaid.

POULTRY REGULATORS

Pratt's. Price, 1½ lbs, 35c; 4 lbs, 70c.

Dr. Hess Panacea. Price, 1½ lbs, 35c; 5 lbs, 85c.

Royal Purple. Price, 30c, 60c, and \$1.75 per packet.

STOCK SPECIFIC

Royal Purple. Price, 60c. and \$1.75.

Dr. Hess. Price, 4½ lbs, 65c; 10 lbs, \$1.35.

POULTRY SUPPLIES—Leg Bands, Disinfectants, Feeds



No. 36.—THREE SPIRAL CELLULOID POULTRY RINGS. Put up in 5 colors: Rose, Light Blue, Light Green, Red, Yellow. When ordering, state breed you require them for. Prices, 12 for 35c; 25 for 60c; 50 for \$1; 100 for \$1.75; postpaid.

SINGLE SPIRAL CELLULOID POULTRY RINGS. Same sizes and colors as above.
12 for 20c; 25 for 35c; 50 for 60c; 100 for \$1; postpaid.

No. 37.—CHALLENGE LEG BANDS. Similar to "Leader Adjustable" only fastens in a little different manner—see illustration. Same sizes and prices as Leader Adjustable.

No. 38.—NUMBERED CELLULOID BANDS. This band is made in a permanently circular form by a special process and when attached to the bird's leg becomes practically a seamless band with numbers that are visible and can be easily read at a distance from 10 to 15 feet. These bands are made in the following colors: Red, Yellow, White, Cerise, Green and Blue. Prices, Postpaid—\$3.00 for 100; \$1.50 for 50c; 80c. for 25; 45c. for 12.

No. 39.—CLIMAX LEG BANDS. If you are one of the many who have had their valuable birds injured by feathers on their legs being broken by a flat band, these wire rings will prove just the thing for you. They are numbered from 1 to 12, 1 to 25, 1 to 50, and 1 to 100. Always give size wanted or breed of fowl. Prices, 12 for 15c; 25 for 35c; 50 for 40c; 100 for 75c.

No. 40.—SMITH SEALED LEG BANDS. With these Smith Sealed Leg Bands a careful register is kept of each one sold, and under no circumstances will bands be furnished which are numbered and lettered exactly alike, nor can we furnish the bands plain and allow customers to number the bands themselves. Prices, \$1.75 for 100; \$1.00 for 50; 75c. for 25; 40c. for 12; postpaid. Smith Sealed Leg Bands are made of aluminum in ten sizes, so when ordering state the breed of birds you require them for.

No. 41.—DOUBLE CLINCH LEG BAND. Made in exactly same sizes as the Smith Sealed Band. Designed and manufactured to fill the demands for a strictly reliable open or removable band. Fastens with two clinches passing through the band and turning towards each other. Put up in 10 sizes, made of aluminum. When ordering state breed of birds you require them for. Prices, 12 for 20c; 25 for 30c; 50 for 60c.

No. 42.—LEADER ADJUSTABLE LEG BANDS. Latest and best adjustable leg band out. We believe it is the neatest, most compact and smoothest fastening of any adjustable band. It is readily attached, too, absolutely secure, and it has no catching points. Made of heavy aluminum, strong, substantial, and will hold the shape much better than ordinary bands. Prices, postpaid, \$1 for 100; 60c. for 50; 35c. for 25; 20c. for 12. Bands are numbered 1 to 12, 1 to 25, 1 to 50, and 1 to 100. Size No. 1, circumference 2½ inches, size No. 2, circumference, 3¼ inches.

DISINFECTANTS FOR SPRAYING POULTRY HOUSES AND STABLES

Zenoleum Liquid Disinfectant. Price, small size, 40c; quart, 70c; ½ gallon, \$1.25; gallon, \$2.25.

Pratt's Liquid Disinfectant. Quart, 60c.; ½ gallon, \$1.20; gallon, \$1.75.

Royal Purple Liquid Disinfectant. Price, 35c and 65c.

Lice Killer Powders.

Zenoleum. Price, 30c; Postpaid, 50c.

Dr. Hess. Price, 35c; Postpaid, 50c.

Royal Purple. Price, 30c. and 60c; Postpaid, 50c. and 90c.

LICE KILLER POWDERS—Continued

Pratt's. Price, 35c; Postpaid, 50c.

Carbola. The Disinfecting Paint that Dries White. Carbola is two things in one—a paint and a disinfectant. It is a finely powdered mineral pigment, combined with a germicide many times stronger than pure carbolic acid—but neither poisonous nor caustic. It dries out a clear snow white and stays white. 10 lbs. (makes 10 gallons), \$1.75 by express. 50 lb. bag, \$6.50 by express. Trial package (enough for 200 square feet), 50c. postpaid.

Nest Eggs (Lime). 30c. doz.; Postpaid, 50c. doz.

FEEDS

Present prices. (No freight allowed on this list).

Oyster Shell. Price, 100 lbs., \$1.60; ¼ ton or more at \$1.40 per 100 lbs.

Oyster Shell, Chick size. Price, \$2.00 per 100 lbs.

Crystal Grit. Price, 100 lbs., \$1.00; ¼ ton or more at 90c. per 100 lbs.

Crystal Grit, Chick size. Price, \$1.00 per 100 lbs.

H-O Steam-Cooked Chick Food. Price, 10 lbs., 60c; 25 lbs., \$1.40; 50 lbs., \$2.75.

Purina Chowder, Sample bag. 8½ lbs., 40c; 50 lbs. for \$2.00; 100 lbs. for \$4.00.

Purina Chick Feed. 100 lbs., \$3.50

Royal Purple Laying Meal. Price, 25 lbs. \$1.00; 100 lbs., \$3.00

Blatchford's Fill-the-Basket Egg Mash. Price, 25 lb. bag, \$1.25.

Feather Brand Chicken Feed. Price, \$3.00 per 100 lbs.

Beef Scrap. Price, 10c. per lb; \$8.00 per 100 lbs.

Beef Meal. Price, 10c. per lb; \$6.00 per 100 lbs.

Alfalfa Meal. Price, 5c. per lb; \$4.00 per 100 lbs.

Sunflower. Price, 15c. per lb; \$10.00 per 100 lbs.

Flax. Price, 15c. per lb; \$6.00 per 100 lbs.

Flax Meal. Price, 15c. per lb; \$7.00 per 100 lbs.

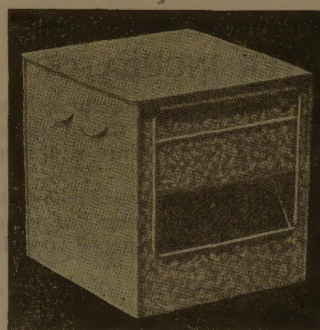
Bone Meal. Price, 5c. per lb; \$4.00 per 100 lbs.

Granulated Bone. Price, 5c. per lb; \$4.00 per 100 lbs.

Poultry Mustard. Price, 6 lb. carton, 50c.

Royal Purple Calf Meal. 25 lb. bag \$1.25; 50 lb. bag \$2.00; 100 lb. bag \$4.00.

TRAP NESTS



No. 43

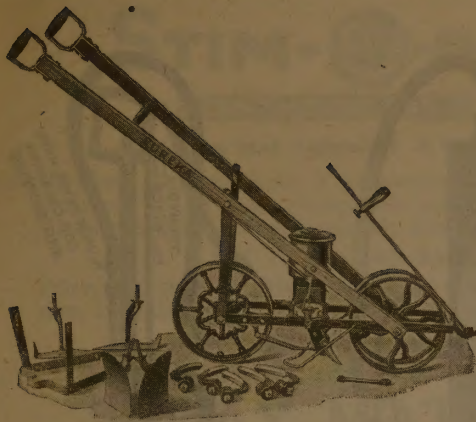


No. 44, 85c

No. 43.—ECONOMY TRAP NESTS. By far the most practical Trap Nests on the market. When the trap is set (see cut, simply a folding of the two pieces of galvanized iron together) and hen enters nest, she brushes her back under it, draws it inward and upward and as soon as the bottom piece passes the horizontal position it drops, pulling the upper one with it. The hen thus trapped cannot get out. When the trap is not in use it can be folded under roof of nest and held in place by a button. Size of nest box is 14 inches high, 14 inches deep and 13 inches long. Material used in Economy Trap Nest is all galvanized iron in the metal nest, and clear wood, dressed both sides, with galvanized iron for traps, for the wooden nests, nothing to get out of order. Price, metal, single, \$3.00 each; wood, single, \$2.00 each; in sets of 3, \$5.50 per set.

No. 44.—TRAP NEST FRONTS. Strongly made of galvanized iron, suitable for fixing on any nest box. Price, 85c. each.

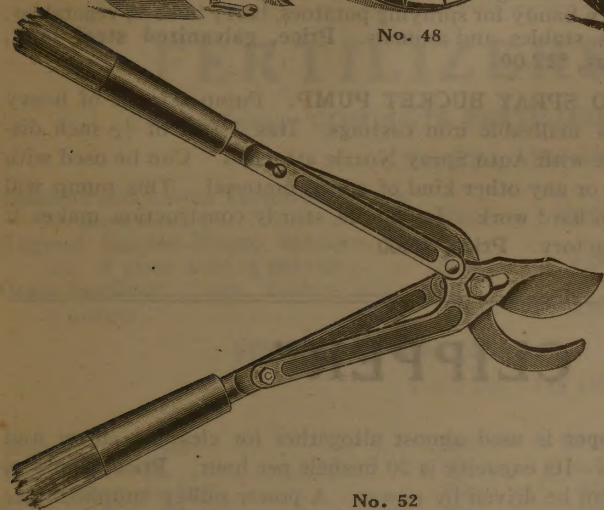
CULTIVATORS, SEEDERS, PRUNING KNIVES, LAWN ROLLERS



No. 46



No. 48



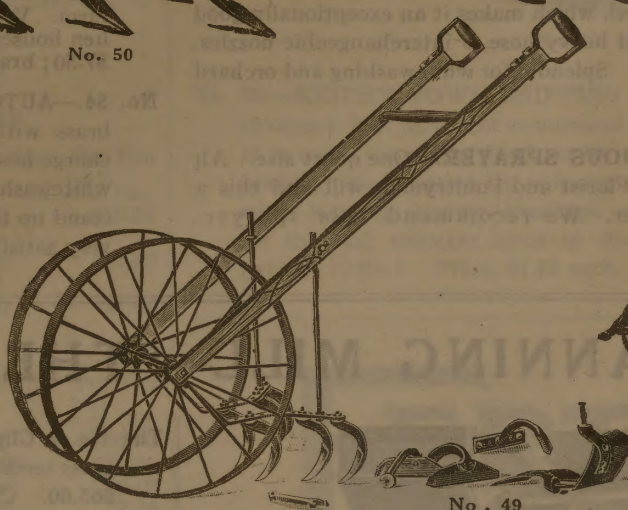
No. 52



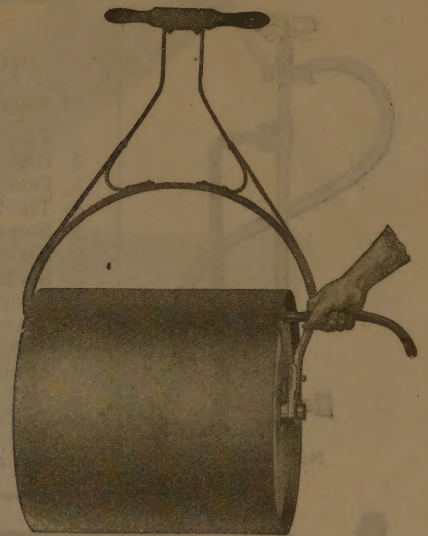
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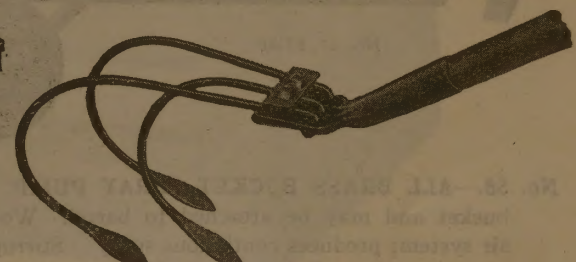
No. 50



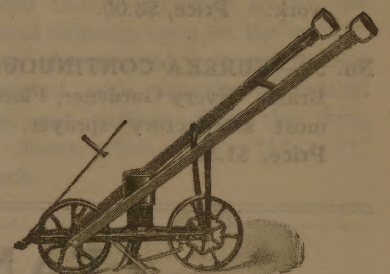
No. 49



No. 53



No. 51



No. 45

No. 45.—EUREKA No. 1 SEED DRILL. Will sow all kinds of Garden seed in rows or hills far more rapidly, evenly, and economically than is possible by hand or other means. Weight packed 50 lbs. Price \$13.00.

No. 46.—EUREKA No. 2 COMBINATION SEED DRILL AND CULTIVATOR. The addition of another light steel frame and our adjustable plows, hoes and cultivator teeth to the above drill makes a most complete equipment.

This outfit gives the Gardener: A Complete Seed Drill; a Complete Hill Dropping Seeder; a Two Wheel Plow; a Two Wheel Hoe; a Two Wheel Five Tooth Cultivator.

The change from Seed Drill to Cultivator or vice versa can be easily and quickly made. Weight packed, 65 lbs. Price, \$15.00.

No. 47.—EUREKA TWO WHEEL CULTIVATOR. This is the same cultivator as is made from the No. 2 Combination, and is a complete two wheel cultivator. Price each, \$6.00.

No. 48.—EUREKA No. 8 SINGLE WHEEL GARDEN CULTIVATOR. Large iron wheel 24 inches diameter, 1½ inch tire, three cultivator teeth, two hoes, a right hand land slide plow and wrench. The tool is shown ready to cultivate. Turn it over and it is ready as a hoe, or remove the hoes and attach the plow and you have a plow, which will turn and cover a deep furrow. Price, \$8.50.

No. 49.—EUREKA No. 10 CULTIVATOR. Similar to No. 8, only there are two large wheels, with an arch so that one can cultivate

over the row or between the rows; with No. 8 you can only cultivate between the rows. Price, complete, \$9.50.

No. 50.—THE "BUCO" GARDEN CULTIVATOR. Long handle. For preparing soil, cultivating, weeding and cleaning, there is no hand tool equal to it. A great labor-saver. Price, each, \$1.25.

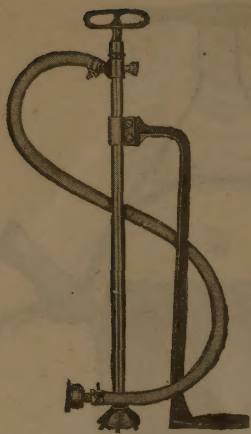
No. 51.—NORCROSS CULTIVATOR. Similar to above, only three prongs. Price, \$1.00.

No. 52.—ORCHARD KING PRUNING KNIFE. This two-hand pruning shear easily cuts a live tree branch 2 inches thick. A roller bearing makes it work easily and prevents wear. Notice the compound leverage, and notice, too, the slot in the blade at the pivot bolt. These exclusive features cause a powerful extra long drawing cut, so that the limbs are not bruised nor crushed, but sheared off clean, hence the wound heals quickly and without delay. This knife is made of the very best material and will last for years. Price, each, \$6.00.

No. 53.—LAWN ROLLER. One Section Water-Weight Roller. Made of steel, cannot possibly leak. They are made with roller bearing axles

No.	Diameter Inches	Length Inches	Weight empty	Weight filled with water	Weight filled with sand	Price
1	18	24	75	300	500	\$18.40
2	24	24	125	500	800	\$23.50

SPRAYERS

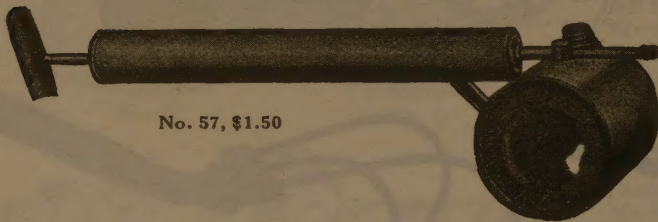


No. 54, \$5.00

"PERFECT HAND DUSTER"

for use on small Trees, Bushes and Potatoes

1. The FAN is run on ball bearings.
2. BALL BEARINGS will run easily even in dust.
3. Dust can't easily get into our ball bearings.
4. The feed is perfectly regular.
5. Fan develops high wind power.
6. No energy wasted in churning up the dust.
7. Suction feed draws last ounce of dust from the hopper.
8. Greater simplicity of construction, durability and ease of operation.
9. Aluminum Alloy gears make the machine lighter than others of equal power.
10. Outfit is comfortable to carry. Weight about 8 lbs. Capacity about 15 lbs. of dust. Price \$24.00.

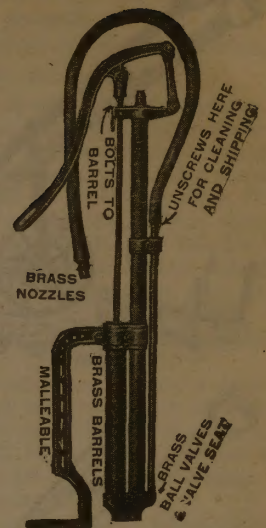


No. 57, \$1.50

No. 58.—ALL BRASS BUCKET SPRAY PUMP. Fits any pail or bucket and may be attached to barrel. Works on compressed air system; produces continuous spray. Stirrup may be detached and pump bolted in a barrel, which makes it an exceptionally good barrel pump outfit. 3 feet heavy hose, 3 interchangeable nozzles. Throws stream of 50 feet. Splendid for whitewashing and orchard work. Price, \$8.00.



No. 56, 7.50 : Brass, \$12.00



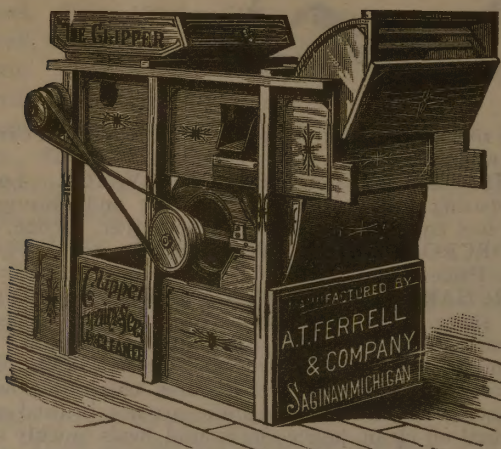
No. 58

No. 56.—BROWN'S AUTO SPRAY No. 1. This is the most satisfactory compressed air spray pump on the market. It consists of a 4-gallon reservoir made of material either brass or galvanized steel as ordered. In this tank is inserted and locked a brass air pump which may be attached or detached very easily. The patented stop cock is one of the best features—it is the only self-cleaning attachment made. Operating the lever opens or closes the valve, and at the same time works a degorger or cleaning stem through the nozzle aperture. This device saves time, solution and labor of refilling the tank. One of these should be on every farm. Very handy for spraying potatoes, berry bushes, vegetables, hen houses, stables, and animals. Price, galvanized steel tank, \$7.50; brass, \$12.00.

No. 54.—AUTO SPRAY BUCKET PUMP. Pump is made of heavy brass with malleable iron castings. Has 3 feet of $\frac{1}{2}$ inch discharge hose with Auto Spray Nozzle attached. Can be used with whitewash or any other kind of spray material. This pump will stand up to hard work. Its simple, sturdy construction makes it very satisfactory. Price, \$5.00.

No. 57.—EUREKA CONTINUOUS SPRAYER. One quart size. All Brass. Every Gardener, Florist and Poultryman will find this a most satisfactory sprayer. We recommend this sprayer. Price, \$1.50.

FANNING MILL—"THE CLIPPER"



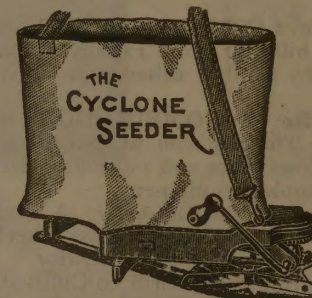
Hand Power Grain and Seed Cleaner

No. 1 Clipper. We recommend this mill for cleaning Clover, Timothy Seed and Seed Grain.

Capacity—Market Wheat, 40 bushels per hour; Clover Seed, 12 bushels per hour.

Size of screens, 19x29 inches. One wire and nine perforated zinc screens equipped with spreading boards furnished with each cleaner. Shipping weight 150 pounds Price, \$55.00,

The No. 2 Clipper is used almost altogether for cleaning clover and grass seeds. Its capacity is 20 bushels per hour. Price, Toronto, \$65.00. Can be driven by power. A power pulley supplied free.



SEEDER—BROADCAST CYCLONE. This seeder has been on the market for many years. We think it the most satisfactory. It is thoroughly reliable. It has a pressed tin, four flanged distributing wheel and lathe centered gearings, making it a very easy running seeder. Accurate gauge for all seeds and grain. Force feed, steel frame, hand hole shield. Price, each, \$2.25. The cheapest carriage generally is by express. This would be 40c. to most places in Ontario, but out of the way places, add 60c. extra for postage.

A FRIEND of the SMALL GARDENER

STIM-O-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

Stim-U-Plant Tablets have a guaranteed analysis of 11 per cent. nitrogen; 12 per cent. phosphoric acid; and 15 per cent. potash, all water soluble and immediately available for plant food.

Add To The Soil As Needed

Price, trial size, 10 tablets, 25c; small size, 30 tablets, 35c; medium size, 100 tablets, 75c.

PLANT FOOD IN TABLET FORM

SPRAY MATERIAL

Present Prices. No Freight Allowed

Paris Green, (Insecticide). Price, $\frac{1}{2}$ lb. tin, 40c; 1 lb. tin, 60c.
 Arsenate of Lead Paste, (Insecticide). 2 to 3 lbs. to 50 gallons of water.
 Price, 1 lb, 40c; 5 lbs, \$1.80; 25 lbs, \$7.50.
 Arsenate of Lead Powder, (Insecticide). 1 lb. to 50 gallons of water.
 Price, 1 lb, 65c; 5 lbs, \$3.00; 10 lbs, \$5.50.
 Lime Sulphur Powder, (Fungicide). Summer Spray, 3 lbs. to 50 gallons of water. Dormant Spray, 10 lbs. to 50 gallons of water.
 Price, 1 lb, 45c; 5 lbs, \$1.70; 10 lbs, \$2.75.
 Bordeaux Mixture, (Fungicide). 1 lb. to 4 gallons of water. Price, 1 lb, 35c; 5 lbs, \$1.60; 10 lbs, \$3.00.
 Smith's Hexpo, (dry powdered). An efficient combined insecticide and fungicide. Has the insect destroying properties of Arsenate of Lead, and the fungus preventative qualities of Boreau mixture.
 Price, $\frac{1}{2}$ lb, 40c; 1 lb, 75c.
 Blighty Burgundy Mixture for potato blight. Price, 35c. per lb., \$30.00 per 100 lbs. 1 acre, 20 lbs Blighty, 120 gallons water.

FERTILIZERS

Present Prices—COMPLETE FERTILIZERS

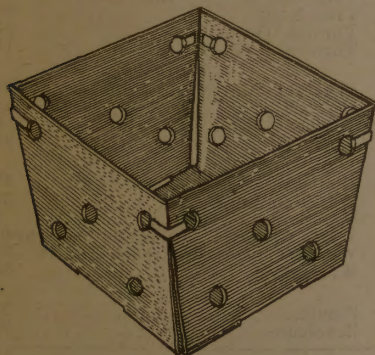
	Per 5 lbs.	Per 100 lbs.	Per Ton f.o.b. Norwich, Ont.
Tomatos and Lawns Fertilizer. 5 am, 10 phos. acid.....	30c.	\$4.00	\$45.00
General Garden Potato Manure. 4 am, 8 phos. acid, 4 potash	30c.	4.00	45.00
Grain Fertilizer. 2 am, 10 phos. acid, 2 potash.....	30c.	4.00	37.00

FERTILIZER MATERIAL

	Per 5 lbs.	Per 100 lbs.	Per Ton f.o.b. Norwich, Ont.
Muriate of Potash.....	50c.	\$6.00	\$100.00
Nitrate of Soda.....	50c.	6.00	100.00
Acid Phosphate 16%.....	25c.	3.00	35.00
Steamed Bone Meal.....	30c.	4.00	37.00
Pure Ground Blood.....	35c.	6.00	65.00
Sheep Manure.....		3.25	

Apply at the rate of 300 lbs. to 1000 lbs. per acre. (1 acre, about 200 feet x 200 feet) according to crop and condition of the soil.

For Lawns. Sprinkle at rate of 1 lb. to each three or four square yards, early in the spring and just before the hot weather commences.



QUART BERRY BOXES

Wood \$8.50 per 1000, F.O.B. Factory. 27 box shipping rate. 35c each.

QUART BERRY BOXES

Heavy Waxed Paper (as illustrated). Packed 200 in wooden shipping crate. 27 box size. \$1.75 or \$8.25 per 1000 including 5 (27 box size) shipping crates.

PLANT BOXES

\$2.50 per 100.

KEITH'S FOWL SHIPPING COOP



No. 59, \$1.75

No. 59.—KEITH'S FOWL SHIPPING COOP. This is by far the strongest, best and most economical shipping coop on the market. It is made from kiln dried staves of hardwood, cut and dressed smooth. Each stave is interwoven with annealed-galvanized wire, insuring against breakage and rusting. Just the thing for shipping valuable birds to shows. Size 14" x 18" x 21" (weight 12 lbs.). Price, \$1.75 each.

FERTABS

PILLS FOR PLANTS.

This fertilizer, put up in pill form, is the most highly concentrated one produced and contains all the elements necessary to plant life in correct proportions. The only true basis of value in a fertilizer is the

ANALYSIS

Nitrogen.....	13%
Soluble Phosphates.....	34%
Potash	11%

FERTABS can be used for all classes of fruit, flowers and vegetables and can be depended upon to promote early and strong growth. Manufactured by A. H. Carter, Ltd., England.

Size A, enough for 500 plants,	\$1.50
" B, " " 200 "	75c.
" C, " " 50 "	25c.

Directions with each package

GET THE MOST OUT OF YOUR GARDEN



HATCHING EGGS

Bred-To-Lay
Single Comb
White Leghorns

This is the first time we have ever offered hatching eggs. We selected one of the largest and most up to date poultry farms in Canada to secure our supply from, where thousands of trap nested birds are raised annually. They are the commercial, trap nested, bred-to-lay, single comb, white Leghorns, free from standard disqualifications, prolific winter layers and acclimatized to our severe Canadian winters.

Hatching Eggs: Guaranteed Fertility; 15 eggs \$3.00, 30 eggs \$5.00, 50 eggs \$8.00, 100 eggs \$15.00.

Baby Chicks: 100 % guaranteed alive; 25 chicks \$10.00, 50 chicks \$18.00, 100 chicks \$35.00.

INDEX

	Page		Page		Page		Page
Acid Phosphate.....	35	Corn Sheller.....	7	Kohl Rabi.....	23	Radish.....	21
Ageratum.....	25	Corn Salad.....	23	Larkspur.....	26	Rape, Dwarf Essex.....	8
Alfalfa.....	3	Cosmos.....	25	Lavender.....	24	Raspberry Plants.....	31
Alfalfa Meal.....	36	Cress.....	23	Lawn Rollers.....	37	Red Clover.....	3
Alyse.....	3	Cucumbers.....	16	Lawn Grass.....	Inside back cover.	Red Currants.....	31
Alyssum.....	25	Cultivators.....	37	Leek.....	24	Red Top Grass.....	8
Amber Sugar Cane.....	8	Cypress Vine.....	25	Leg Bands.....	36	Rhubarb.....	24
Anise.....	24	Dahlias.....	25-30	Legume Culture.....	5	Ricinus.....	28
Annual Crop for Pasture.....	4	Delphinium.....	29	Lettuce.....	17	Roller, Lawn.....	37
Annual Sweet Clover.....	4	Dianthus.....	25	Lice Killer.....	36	Roses.....	31
Antirrhinum.....	25	Digitalis.....	29	Lilies.....	30	Roots.....	10-11
Aquilegia.....	29	Dill.....	24	Lime Sulphur.....	39	Roost Supports.....	35
Arabis.....	29	Disinfectants.....	36	Lobelia.....	26	Roup Cure.....	35
Arsenate of Lead.....	39	Drinking Fountains.....	32-33	Love-in-a-mist.....	27	Rye.....	9
Artichoke.....	23	Dwarf Essex Rape.....	8	Lucerne.....	3	Rye Buckwheat.....	9
Asparagus Seed and Roots.....	12	Egg Crate Fillers.....	34	Lupinus.....	26	Rye Grass.....	8
Asters.....	25	Egg Plant.....	23	Lychnis.....	29	Sage.....	24
Bags.....	40	Egg-Shipping Boxes.....	34	Mammoth Clover.....	3	Salpiglossis.....	28
Balsams.....	25	Endive.....	23	Mangels.....	10	Salsify.....	18
Barley.....	9	Eschscholtzia.....	25	Marigold.....	26	Salvia.....	28
Bachelor's Button.....	25	Fanning Mills.....	38	Marjoram.....	24	Sand Vetch.....	8
Beans, Garden.....	13	Feeding Hoppers.....	32-33	Marvel of Peru.....	26	Savory, Summer and Winter.....	24
Beans, Field.....	9	Feeds.....	36	Meadow Fescue.....	8	Scabiosa.....	28
Beef Scrap.....	36	Fennell.....	24	Melon.....	18	Scaly Leg Ointment.....	35
Beef Meal.....	36	Fertilizers.....	39	Mica Grit.....	36	Scarlet Runner Beans.....	13
Beets, Field.....	10	Fescues.....	8	Mignonette.....	26	Seed Sowers.....	37-38
Beets, Garden.....	14	Flax for Seed and for Feed.....	9	Millets.....	8	Seed Cleaner.....	38
Begonias.....	30	Flax Meal.....	36	Mixtures of Grain.....	9	Shipping Boxes for Poultry.....	39
Berry Boxes.....	39	Forage Plants.....	8	Moonflower.....	26	Shallots.....	19
Black Tares.....	8	Forget-me-not.....	29	Morning Glory.....	25	Shrubs.....	31
Blue Grass.....	8	Formalin.....	9	Mushroom Spawn.....	24	Siberian Millet.....	8
Bokhara.....	4	Four o'Clock.....	26	Mustard.....	24	Snap Dragon.....	25
Borcole or Kale.....	23	Foxglove.....	29	Myosotis.....	29	Sorghum.....	8
Boston Hopper.....	32	French Endive or Witlof Chicory.....	23	Nasturtiums.....	27	Spinach.....	24
Boxes Shipping Poultry.....	39	Gaillardia.....	29	Nests.....	36	Sprayers.....	38
Broadcast Seeder.....	38	Garden Collection.....	22	Nicotiana.....	27	Spray Material.....	39
Brome Grass.....	8	Garlic Sets.....	19	Nigella.....	27	Spring Rye.....	9
Brussels Sprouts.....	23	German or Golden Millet.....	8	Nitrate of Soda.....	39	Squash.....	21
Buckwheat.....	9	Gladioli.....	30	Oats.....	9	Strawberry Plants.....	31
Bulbs.....	30	Geum.....	29	Oat Sprouter.....	35	Sugar Beet.....	10
Cabbage, Garden.....	14	Granulated Bone.....	19	Onions.....	12-19	Sugar Cane.....	8
Calendula or Scotch Marigold.....	25	Grain Sprouter.....	35	Onion Sets.....	19	Summer Cypress.....	26
Calf Meal.....	36	Gooseberries.....	31	Ontario Variegated Alfalfa.....	3	Sunflower.....	7-28
California Poppy.....	25	Gourds.....	26	Orchard Grass.....	8	Swede Turnips.....	11
Canadian Blue Grass.....	8	Grape Vines.....	31	Order Sheet.....	1-2	Sweet Clovers.....	4
Calliopsis.....	25	Grasses.....	8	Oyster Plant.....	18	Sweet Peas.....	28
Canary Bird Flower.....	25	Grimm Alfalfa.....	3	Oyster Shells.....	36	Sweet William.....	29
Candytuft.....	25	Grit.....	36	Pansy.....	27	Sweet Sultan.....	25
Canterbury Bells.....	29	Grit Boxes.....	32	Parsley.....	24	Swiss Chard or Spinach Beet.....	14
Caraway.....	24	Gypsophilla.....	26-29	Paris Green.....	39	Tall Oat Grass.....	8
Carnation.....	25-29	Hairy Vetch.....	8	Parsnip.....	18	Tares.....	8
Carrot, Garden.....	15	Hand Seeder.....	38	Pasture Mixtures.....	8	Thermometers.....	33
Carrot, Field.....	11	Heliotrope.....	26	Peas, Garden.....	20	Thousand-Headed Kale.....	8
Castor Oil Bean.....	28	Herbs.....	24	Peas, Field.....	9	Thyme.....	24
Cauliflower.....	16	Hollyhock.....	26-29	Pepper.....	18	Timothy.....	3
Celery.....	15	Hoppers.....	32-33	Pepper Grass.....	23	Toe Punches.....	35
Celluloid Leg Bands.....	36	Horhound.....	24	Permanent Pasture Mixtures.....	8	Tomato.....	22
Centaurea.....	25	Huban Clover.....	4	Perennial Rye Grass.....	8	Trap Nests.....	36
Chick Food.....	36	Humulus.....	26	Perennial Flower Seeds.....	29	Turnips, Garden.....	24
Chinese Cabbage.....	23	Iceland Poppies.....	29	Perennial Phlox.....	29	Turnips, Field.....	11
Chives.....	23	Incubators.....	35	Petunia.....	27	Vegetable Marrow.....	21
Citron.....	23	Insecticides.....	36	Phlox Drummondii.....	27	Verbena.....	28
Clarkia.....	25	Ipomea.....	26	Pinks.....	27	Vetches.....	8
Clipper Mills.....	38	Japanese Millet.....	8	Plant Boxes.....	22-39	Vines.....	31
Clovers.....	3-4	Japanese Barnyard Millet.....	8	Plants (Perennial).....	31	Watermelon.....	18
Cobea.....	25	Kale.....	23	Poppy.....	27	Wall Fountains.....	32
Cockscomb.....	25	Kale, Thousand Headed.....	8	Portulaca.....	27	Wheat.....	9
Convolvulus.....	25	Kentucky Blue Grass.....	8	Potatoes.....	24	White Clover.....	Inside back cover.
Coop for Setting Hens.....	35	Kochia.....	26	Poultry Feeds.....	36	Witlof Chicory or French Endive.....	23
Coreopsis.....	25-29			Poultry Supplies.....	32-39	Wormwood.....	24
Coriander.....	24			Pruning Shears.....	37	Zinnia.....	28
Corn, Ensilage.....	6-7			Pumpkin.....	21	Zenoleum.....	36
Corn, Field.....	6-7			Pumps.....	38		
Corn, Garden.....	17			Pyrethrum.....	29		
Corn Planter.....	7						
Corn Flower.....	25						

BAGS (Cotton) "Empire B" or "X" Brand, \$6.00 per dozen, \$45.00 per 100

Seed Potatoes

The Potato being one of the most important food crops of the temperate zone, it is of the utmost importance that growers obtain seed stock of the best quality for planting. This does not necessarily mean large tubers, but rather, those from vigorous, healthy stock grown especially for seed purpose in such a manner as to insure the highest degree of vitality and vigor. It has been abundantly proved that such seed will produce anywhere from 50 per cent. to 500 per cent. greater yields than that from diseased or devitalized stock. Our fields were officially inspected during the season of 1921, and rated No. 1.

NOTICE—Prices on 1 and 5 lb. lots by mail, postpaid. Larger quantities f. o. b. our station.

CLARK'S NO. 1—This is an extra early variety of great merit, making a fine healthy top growth, apparently proof against "tip-burn." The past season it gave us more than twice as many bushels per acre as Cobbler, under the same condition. The tubers are oval in shape, smooth with shallow eyes, skin, light flesh color, quality best. 1 lb. 25c; 5 lbs. \$1.00; postpaid; Pec. \$1.00; Bushel \$3.00, by express at purchasers' expense.

BEAUTY OF HEBRON—One of the choice varieties of a generation ago that still retains its popularity, because of its productiveness and high quality.

1 lb. 25c; 5 lbs. \$1.00, postpaid; peck \$1.00 bushel \$3.00 by express at purchasers' expense.

COBBLER—The well-known standard white early potato, justly esteemed for its high quality. It is especially valuable for early planting, as the foliage cannot stand extreme heat. Our stock has been selected for several years for shallowness of eye and smoothness of type, and is in this respect a vast improvement on the ordinary type of this variety.

1 lb. 25c; 5 lbs. \$1.00 postpaid; peck, \$1.00; bushel \$3.00, by express at purchasers' expense.

GREEN MOUNTAIN—The standardized main crop Potato of the round white type, noted for its great productiveness, as well as its good shipping and table qualities. The leading market Potato of the North American Continent. 1 lb. 25c; 5 lbs. \$1.00 postpaid; peck, \$1.00; bushel \$3.00 by express at purchasers expense.

ROXBURY—A recent introduction and a variety of great merit. This is one of the "Rural" round type, and we believe it to be one of the best of its class, which seem to succeed best on a deep, sandy soil. A most productive variety of perfect form, large size and good quality. 1 lb. 25c; 5 lbs. \$1.00 postpaid. Peck \$1.00 by express at purchaser's expense.

Potato Seed

(From Seed Balls)

All varieties of Potatoes come originally from seed contained in the balls, or "apples" which grow upon the vines. A generation ago, these seed balls were produced in large quantities on most potato fields, but in recent years they have become a novelty. This is attributed by many to the fact that all varieties are propagated from their cuttings, and in time lose their original vitality, and power to produce seed. Luther Burbank "The Wizard of Horticulture," held that the only way to restore the original vitality and productiveness of the Potato, was by a return to seedage.

Potato seed never produces the same variety as the parent, but each

seed produces a new and distinct variety. At the same time the better the type of the parent, the larger the proportion of valuable seedlings.

A number of years ago we imported from Great Britain a Scottish variety of the best type and quality. We observed that this variety was producing quantities of seed balls, which we gathered and from the seed thus obtained have produced and are testing out upward of 1000 varieties, hundreds of which show wonderful vigor of growth and productiveness. The past season we had 2nd. year's seedlings produce tops 6 feet in length, and tubers many of which weighed from 1 lb. to 2 lbs. each. We are enthusiastic over them. Last spring we offered this seed to our customers, and it was planted from N. S. to B. C. a number expressing surprise and delight at the results. We have a limited quantity of seed to offer this spring and recommend it to our customers as something that will give more pleasure as well as profit than anything else in the garden. One of those seedlings may make a fortune for the originator.

Sow seed like Tomatoes in hot bed, cold frame, or in the open ground, covering 1-4 inch, transplanting when large enough, 5 or 6 inches apart in the row, in good, rich, mellow soil. Protect from beetles, etc. like other potatoes keep the soil well stirred raising the earth about the plants as they increase in height. As fast as the plants mature they should be lifted discarding those which appear to be of undesirable type, or lacking vigor or health of foliage. Keep each variety separate by placing in paper sacks, or in some cases it is best to save only 1 tuber from a plant. These tubers which may be as large as hen's eggs, should be planted whole the following spring, and the same system of cultivation and harvesting followed. The third season these seedlings will reach full development, and their value may be determined. This is intensely interesting work, and one is certain to get a number of superior varieties, especially adapted to his own locality.

In order that they may not become infected with disease at the outset seedlings should be grown on land that had not grown potatoes for several years, neither should fresh stable manure be used as it may cause scab. A good commercial fertilizer is best, or poultry manure well mixed with the soil is excellent.

Let the boys and girls grow some Seedling Potatoes, it will help to make experts of them.

Price of seed—25 cents per packet. (Enough to produce 200 to 300 seedlings.)

SWEET CORN

GOLDEN BANTAM—The best of all for table use. By a succession of plantings it may be made to cover the season.

Price— $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. \$2.00. Postpaid.

POP CORN

EARLY WHITE RICE—The popular parching corn. Very productive and early.

RED RICE—Similar to White Rice, except that the hull is red.

Price—Pkt. 10c; 1-4 lb. 20c; 1 lb. 50c, postpaid.

MUSK MELON

SALMON QUEEN—Packet 100 seeds, 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00. Postpaid. Deeply netted, dark green skin, with thick salmon colored flesh, very sweet and rich. Quality the very best. Most desirable size for market, weighing 6 to 8 lbs. each.

WATER MELON

EUREKA—One of the very best varieties, large, oblong, skin light green, rind thin, flesh bright, scarlet very sweet and crisp, seeds white. None better.

Pkt. 10c; Oz. 25c; $\frac{1}{4}$ lb. 75c, Postpaid.

BEANS

Pt. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; 5 lbs. \$2.00, Postpaid.

WHITE KIDNEY TAX—The best all purpose bean grown. The long, cream-colored pods are unsurpassed for snap beans, and especially fine for canning. When full grown they are excellent shell beans, and as dry beans, there is nothing better. Very productive of very large pearl-white beans.

RED KIDNEY—One of the hardiest and most productive of all beans, especially valuable as a green shell-bean for market or home use. For this purpose they are about equal to Lima's both in size and quality as well as much earlier and far more productive.

JAPANESE SOY BEANS

$\frac{1}{4}$ lb. 15c; 1 lb. 40c; 5 lbs. \$1.50 Postpaid.

The Soy Bean is by far the richest grain that can be grown in Canada containing 20 per cent. oil, and is equal in feeding value to cotton seed meal, without its objectionable qualities. The beans are relished by all kinds of stock and poultry. It also furnishes a most valuable forage crop, either for curing, feeding green, or mixing with corn for silo, being very rich in protein. The plants grow upright about 30 inches high, and are heavily podded. They are easily harvested with a mower like clover, or with binder. Plant in drills or rows, 30 to 36 inches apart, 20 to 30 lbs. to the acre. We offer Yellow Habara and Brown Soy, the latter a little earlier, but scarcely so large a grower. Try some Soys, they are one of our coming crops.

SQUASH

Pkt. 50 seeds, 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00, Postpaid.

DELICIOUS—The finest in flavor and quality of Squashes. Mottled green, of medium size, and keeps all winter. Has no hard shell.

PUMPKIN

Pkt. 50 seeds, 10c; Oz. 30c; $\frac{1}{4}$ lb. \$1.00, Postpaid

STRIPED—CASHAW—A gourd-shaped variety and mottled with green and yellow. Excellent for pies.

GOLD NUGGET—A medium sized, yellow variety, very sweet and fine-grained, having that rich, golden-yellow, color so desirable for pies. Very Profic.

NUT TREES

In no way perhaps, can a man increase the value of his farm so easily as by the judicious planting of trees, especially nut trees.

JAPAN WALNUT—This tree from the "Flowery Kingdom" has proved its great value for this country, being perfectly hardy, very ornamental, a rapid grower, and usually bears in four to six years from planting. The thin-shelled nuts which are of very fine flavor, are borne in great clusters, like immense bunches of grapes, containing 12 to 20 nuts. The

trees we offer were grown from nuts produced on our own farm, so we can guarantee them true. This tree will be in great demand when once its value becomes generally known. Trees 15 to 20 inches 75c each; 6 for \$4.00. Prepaid.

CHESTNUT-AMERICAN SWEET—One of our finest native trees. A beautiful fast-growing shade tree, producing valuable timber coming into bearing as soon as apple trees, and the nuts command a more ready sale than any others.

Trees 4 to 6 feet, each \$1.00; 6 for \$5.00, by express at purchasers' expense.

HICKORY (Sweet or Shell-bark)—This well known tree is prized not only for its nuts, but for its valuable timber as well as for its ornamental qualities. Trees 4 to 6 feet 75c each; 6 for \$4.00. By express at purchaser's expense.

SEED DEPARTMENT

H. L. McConnell & Son

PORT BURWELL - ONTARIO

NAME

POST-OFFICE R. R. NO.

PROVINCE EXPRESS OFFICE

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(Mail or Express)[illegible]

LAWN GRASS SEED

FOR ALL PURPOSES

GOOD SOIL.—You cannot get loam that is too good. A Lawn is a permanent affair, and the soil is supposed to furnish nourishment to the Grass roots for a long period. Prepare the soil as carefully as you would for a garden. Many wrongly think seed is the only requisite, but seed sadly fails without good soil and soil preparation.

GOOD SEED.—Sow at least 100 lbs. to the acre. (1 acre equals about 200 ft. x 200 ft.) **For Bowling Greens, Putting Greens and Tennis Courts sow 1 lb. to 4 square yards.** Each kind of Grass has just as much individuality as any plant in a greenhouse, and requires certain conditions under which it will thrive best. One Grass grows well in a sandy soil, another in the shade, another wants a deep soil. The following are the names of some of the Grasses most used, and that are commercially procurable.

It is a question with many, as to which is preferable, sowing a single kind of Grass seed or combining a number. While there is no doubt that the best Lawn is made with a single kind of Grass, yet under most conditions combining a number of varieties is to be recommended.

While a great many people like to see White Clover in their Lawns we think you get a better sod without it. However, we recommend it for terraces and shady places.

KENTUCKY BLUE GRASS.—One of the best Grasses for Lawns and Golf Fair Greens. Will grow in a variety of soils. It forms a close compact turf which enables it to stand a large amount of tramping and close cutting without injury. It is rather slow at the start and to offset this we would recommend that Red Top and Perennial Rye, on account of quickness of growth, be mixed with Kentucky Blue, which produces an early and satisfactory growth of sod, and will be later almost entirely of Blue Grass, a condition much desired for this grass makes an ideal Lawn.

CANADIAN BLUE GRASS.—Very much like Kentucky Blue Grass, with a decided advantage that it does well on gravelly and stiff clay loams, and stands both extremes of weather, cold and hot.

RED TOP.—A creeping bent Grass, is splendid for Lawns. One of the few Grasses commercially procurable that is suitable for good **Putting Greens.** Its success seems to depend more on the moisture content in the soil than on the quality of the soil.

CHEWING FESCUE.—A low-growing selection of Red Fescue. It makes excellent turf of fine texture, pleasing color and unusual durability. This grass and Red Top are the only Grasses on the market that are suitable for Putting Greens and Bowling Greens.

ENGLISH RYE GRASS.—Temporary Grass. Grows quickly, used in combination with other Grasses to get immediate effect.

	1 lb.	5 lbs., at	100 lbs.		1 lb.	5 lbs., at	100 lbs.
Lawn Grass Mixture.	.55	.50	\$45.00	Kentucky Blue Grass	.75	.65	\$60.00
Shady Nook Grass.	.65	.60	55.00	Canadian Blue Grass	.55	.50	45.00
Putting Green Mixture	.70	.65	60.00	Red Top	.55	.50	45.00
Fair Green Mixture	.55	.50	45.00	Chewing Fescue	1.00	1.00	95.00
Bowling Green Mixture	.70	.65	60.00	English Rye Grass	.25	.20	18.00
				White Clover Seed	.80	.75	70.00

QUALITY OF KEITH'S GRASS SEEDS.—We will supply you with seed that is carefully selected for its purity, cleanliness and high percentage of germination.

KEITH'S HOME GARDEN COLLECTION

A COMPLETE VEGETABLE GARDEN FOR ONE DOLLAR, POSTPAID

We want you to know the value of **KEITH'S SEEDS**, therefore we offer you this splendid collection of Vegetable and Flower seeds at an **exceptionally low price.**

We honestly believe that this is a great opportunity and next summer thousands of gardeners who buy this collection will be tremendously pleased with their gardens.

KEITH'S SEEDS ARE TESTED FOR GERMINATION and must show strong, vigorous growth before sending them out, so you are sure of good seeds.

OUR BIG TRIAL ASSORTMENT FOR ONLY ONE DOLLAR

This collection is made up all ready for mailing, therefore no change of varieties can be made. The leaflet "The Vegetable Garden," giving full cultural directions, is also included. Send us \$1.00 and we will mail you the full list below.

1 pkt. Swiss Chard— <i>Lucullius</i>	1 oz. Onion— <i>Yellow Globe Danvers</i>	1 pkt. Tomato— <i>Earliana</i>
1 oz. Beet— <i>Crosby's Egyptian</i>	1 pkt. Parsnip— <i>Hollow Crown</i>	2 oz. pkt. Beans— <i>Improved Golden Wax</i>
1 pkt. Carrot— <i>Chantenay</i>	1 oz. Radish— <i>Scarlet White Tip</i>	2 oz. pkt. Peas— <i>American Wonder</i>
1 pkt. Cabbage— <i>Copenhagen Market</i>	1 pkt. Parsley— <i>Curled</i>	2 oz. pkt. Corn— <i>Golden Bantam</i>
1 pkt. Cucumber— <i>Keith's Perfection</i>	1 pkt. Sweet Peas— <i>Choice Mixed Spencers</i>	
1 pkt. Lettuce— <i>Big Boston</i>	1 pkt. Nasturtiums— <i>Choice Mixed Dwarf</i>	

GEORGE KEITH & SONS

124 KING STREET EAST, TORONTO

Established 1866



Seeds for the Garden.

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SEEDS**

Satisfactory Since 1866

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Flower Seeds
Bulbs
Garden Implements
Poultry Supplies
Sprayers
Fertilizers

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